

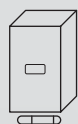
CONDEXA PRO

ONE PRODUCT, A THOUSAND SOLUTIONS

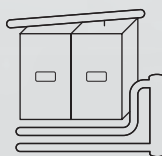


RIELLO
Energy For Life

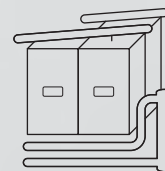
A Carrier Company



**STAND-ALONE
CONFIGURATIONS**



**LINEAR CASCADE
CONFIGURATIONS**



**BACK-TO-BACK CASCADE
CONFIGURATIONS**

A GUIDE TO COMPOSE CONDEXA PRO SYSTEMS

THE PURPOSE OF THIS GUIDE IS TO PROVIDE YOU WITH A SIMPLE AND INTUITIVE TOOL THAT CAN BE USED TO COMPOSE BESPOKE CONDEXA PRO SYSTEMS, WHICH ARE BEST SUITED TO THE INDIVIDUAL NEEDS AND REQUIREMENTS OF YOUR CLIENTS.

DISCOVER THE UNCOMPROMISING COMFORT AND INSTALLATION BENEFITS THAT CONDEXA PRO CAN OFFER, USING THE VARIOUS SECTIONS OF THIS GUIDE:

- PRODUCT OVERVIEW
- CONFIGURATION GUIDE
- APPLICATION DIAGRAMS
- FLUE GUIDANCE AND SYSTEM DIMENSIONS
- STAND-ALONE CONFIGURATIONS
- CASCADE CONFIGURATIONS

CONDEXA PRO, ONE PRODUCT, A THOUSAND SOLUTIONS

Fully designed, developed and industrialized by Riello, **CONDEXA PRO is the ideal choice for central heating systems of large domestic properties and commercial buildings**, like hotels, sports centres, schools, office buildings, factories, etc.

Thanks to an almost infinite number of possible configurations, ranging from a simple stand-alone to cascade applications of up to 1120 kW, CONDEXA PRO is **Riello's winning solution both for new buildings and renovations**, from energy retrofitting to the replacement of old boiler systems. The **strength of Condexa Pro** is the

extreme flexibility of the system: thanks to the wide range of accessories, the basic unit transforms from a single boiler to a cascade module, from an indoor generator to an outdoor one, from a conventional flue to a room-sealed solution, and so on, to **allow about 1000 possible installations** that ensure the specifier and the Installer solve any situation and installation complexity.

The ease of mounting and the maximum flexibility of installation, combined with high efficiency and low emissions, make **this product stand out in the category of commercial and light commercial appliances.**

PRODUCT OVERVIEW

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CONDEXA PRO, A REAL INNOVATION

CONDEXA PRO IS AN INNOVATIVE PRODUCT WITHIN RIELLO CONDENSING MODULAR SYSTEMS

All the components of the previous range have been redesigned: the **heat exchanger** works with surface temperatures decreased by 18% to

reduce thermal shock and increase the lifespan; polluting **emissions** have been reduced below the **most stringent limits** (Class 6 NOx according to UNI EN 15502); the **system control** is 10 times faster than the previous one. A new, wider range of accessories is also available as standard.

- **NEW PATENTED CONDENSING HEAT EXCHANGERS MADE OF STAINLESS STEEL.**
 - **8 VERSIONS FROM 34.9 TO 131 KW, THAT CAN BE INSTALLED IN STAND-ALONE OR CASCADE CONFIGURATION.**
 - **POSSIBLE CASCADE CONFIGURATIONS UP TO 1120 KW WITH EMBEDDED 'MANAGING/DEPENDING' CONTROL LOGICS.**
 - **POSSIBLE CASCADE CONFIGURATIONS WITH FRAME: LINEAR OR BACK-TO-BACK**
 - **MODULATING AND MODULAR POWER REGULATION WITH AUTOMATIC BURNER IGNITION SEQUENCE REVERSAL.**
 - **SIMULTANEOUS MANAGEMENT OF TWO DIFFERENT CIRCUITS: DHW TANK AND HIGH TEMPERATURE. UP TO 16 ADDITIONAL MIXED ZONES AVAILABLE AS ACCESSORY.**
 - **AUTOMATIC SUMMER/WINTER REVERSAL.**
 - **'ANTI-LEGIONELLA' FUNCTION AS STANDARD.**
 - **SUITABLE FOR REMOTE CONTROL MANAGEMENT (0-10 V INPUT OR MODBUS) VIA OPTIONAL KIT.**
 - **AVAILABILITY OF A WIDE RANGE OF SYSTEM ACCESSORIES.**
 - **LPG CONVERSION KIT SUPPLIED AS STANDARD.**
-
- **AS STAND-ALONE APPLICATION, CONDEXA PRO IS SUITABLE FOR OUTDOOR INSTALLATION, IN A PARTIALLY PROTECTED SPACE, BY MEANS OF AN ACCESSORY KIT, THAT RAISES THE ELECTRICAL PROTECTION TO IPX5D.**





**LOW NOX COMPLIANT
CLASS 6**



**CASCADE SYSTEMS
UP TO 1120 KW**



**DIGITAL
ELECTRONIC
CONTROL**



**PATENTED
STAINLESS STEEL
HEAT EXCHANGERS**



**BUILT-IN PUMP
UP TO 70 KW**



**WIDE RANGE OF
ACCESSORIES**

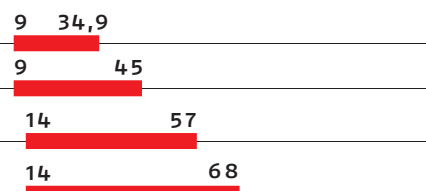


THE RANGE

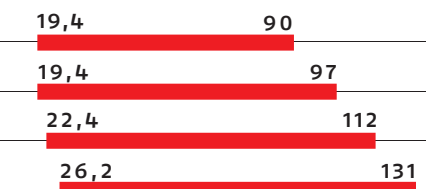
The CONDEXA PRO range is available in **8 models**, starting from 34.9 kW up to 131 kW. The **installation** can be **stand-alone** or it is possible to connect in **cascade several CONDEXA PRO units of the same model** until reaching a maximum output of 1.12 MW.



CONDEXA PRO 35 P
CONDEXA PRO 50 P
CONDEXA PRO 57 P
CONDEXA PRO 70 P



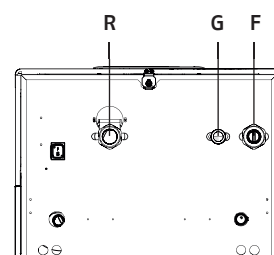
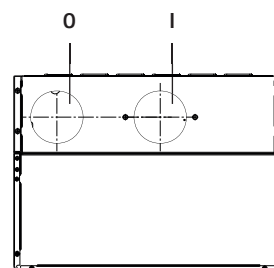
CONDEXA PRO 90
CONDEXA PRO 100
CONDEXA PRO 115
CONDEXA PRO 135



P MODELS INDICATE THAT THE BOILERS ARE SUPPLIED AS STANDARD WITH A BUILT-IN CIRCULATION PUMP.

THE OTHER MODELS ALLOW TO INSTALL A CIRCULATION PUMP (AS OPTIONAL KIT) OR A 2-WAY VALVE, OUTSIDE THE BOILER.

Model	CH Flow F	CH Return R	Gas G	Flue gas outlet O	Air intake I
CONDEXA PRO 35 P	1" 1/2	1" 1/2	1"	DN80	DN80
CONDEXA PRO 50 P	1" 1/2	1" 1/2	1"	DN80	DN80
CONDEXA PRO 57 P	1" 1/2	1" 1/2	1"	DN80	DN80
CONDEXA PRO 70 P	1" 1/2	1" 1/2	1"	DN80	DN80
CONDEXA PRO 90	1" 1/2	1" 1/2	1"	DN110	DN110
CONDEXA PRO 100	1" 1/2	1" 1/2	1"	DN110	DN110
CONDEXA PRO 115	1" 1/2	1" 1/2	1"	DN110	DN110
CONDEXA PRO 135	1" 1/2	1" 1/2	1"	DN110	DN110



HIGH OUTPUT FROM COMPACT DIMENSIONS

CONDEXA PRO stands out for its **compact dimensions, a feature increasingly appreciated also in the plant room**, which further enriches the profile of high installation flexibility of the product.



WIDTH

600 mm
for all models

HEIGHT

1000 mm
for the models:
35 P, 50 P, 57 P, 70 P,
90, 100

1165 mm
for the models: 115, 135

DEPTH

435 mm
for all models

TECHNOLOGY: COMBUSTION

THE NEW HEAT EXCHANGER

CONDEXA PRO heat exchanger, designed in absolute symbiosis with the pre-mixed gas burner, represents one of the **top technological advantages of the system**.

In fact, from a good synergy between combustion and heat exchange derives the best transformation of the chemical energy of the fuel into useful heat energy to be transmitted to water.

CONDEXA PRO heat exchanger is made of high quality **stainless steel** so as to ensure its durability and reliability over time. Design, water path and flow sections have been optimised to **limit**

pressure drops and ensure the **best heat transfer**.

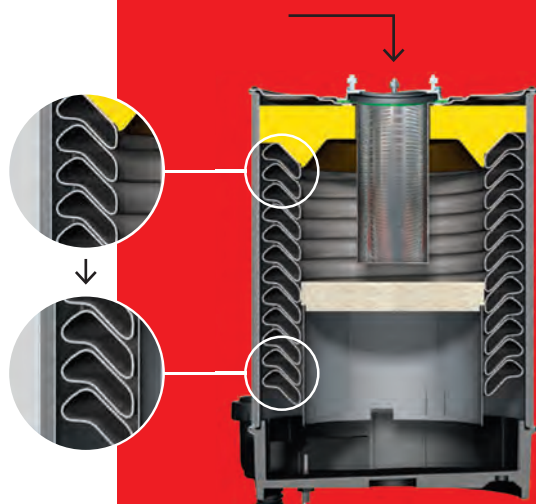
This results in a more homogeneous "wall temperature", which means **longer lifespan** and **better performance**. The pre-mixed burner has also been designed to keep polluting emissions below the most restrictive European limits, allowing CONDEXA PRO to be in **Class 6 NOx** according to UNI EN 15502, the best one.

CONDEXA PRO models feature two different types of heat exchangers as in the following tables.

VERSIONS UP TO 45 kW

CONDEXA PRO 35 P – 50 P

- HELICAL HEAT EXCHANGER
- MATERIAL: STAINLESS STEEL
- SINGLE-TUBE WITH SMOOTH SURFACE
- P-SHAPED PROFILE FOR HIGH HEAT EXCHANGE



ADVANTAGES

Compact design.

No direct exposure of the plating to the flame, which allows lower surface temperatures, with subsequent **reduction in heat loss**.

Optimised profile:

- to fully exploit the whole available surface, translating into **increased exchange surface**;
- to facilitate **condensate drainage**, preventing stagnation.

High reliability thanks to the extra thick stainless steel tube (1.2 mm).

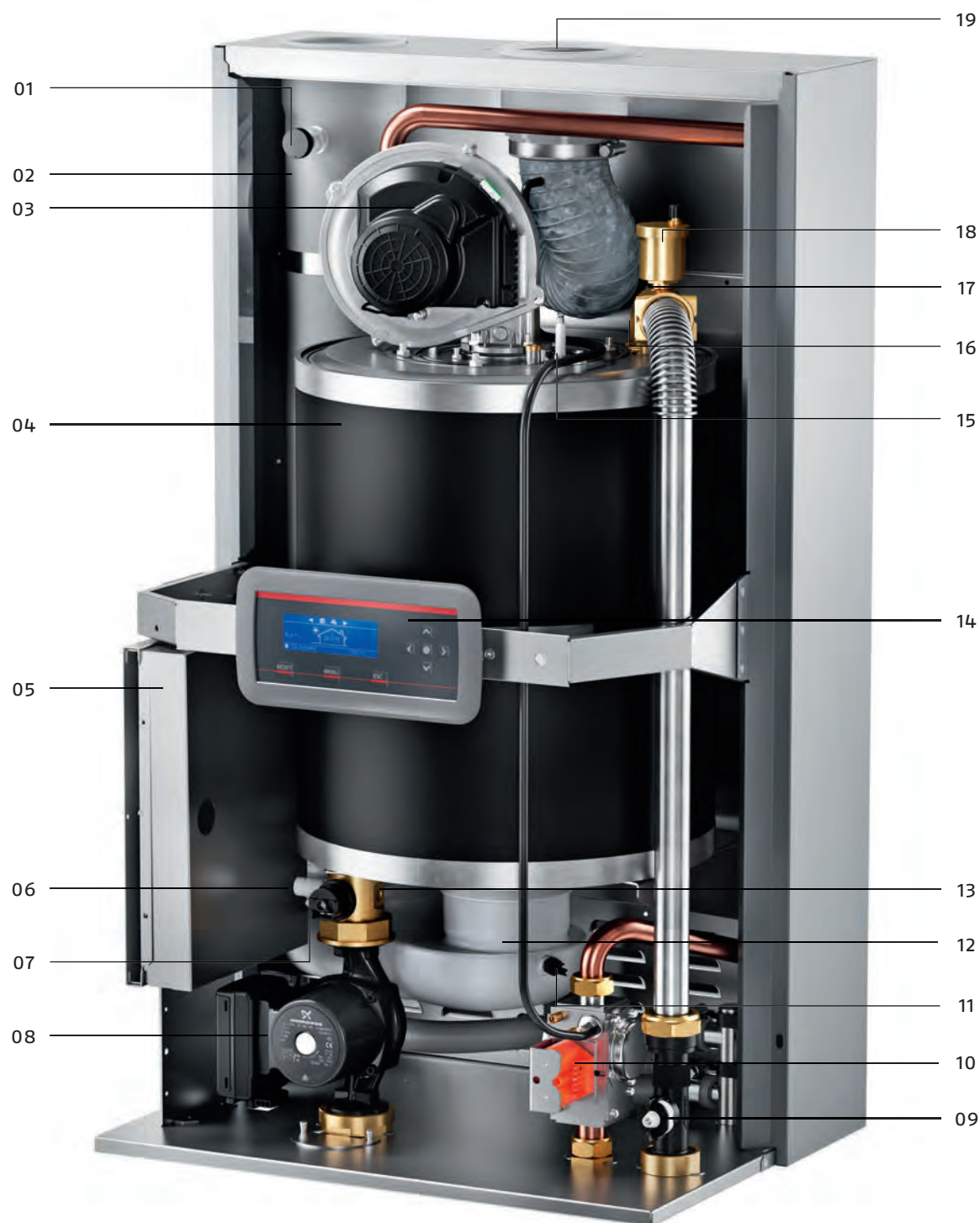
VERSIONS FROM 57 TO 131 KW CONDEXA PRO 57 P - 135

- HELICAL HEAT EXCHANGER
- MATERIAL: STAINLESS STEEL
- DOUBLE TUBE, WITH SMOOTH CONCENTRIC TUBES
- FIVE-SIDED SHAPE PROFILE FOR INTERNAL TUBE AND ROUND SHAPE PROFILE FOR EXTERNAL TUBE
- HYDRAULIC CIRCULATION IN PARALLEL



ADVANTAGES

Patented geometry heat exchanger, consisting of two concentric smooth stainless steel tubes, with five-sided shaped internal section and circular external section respectively, specifically designed to maximise the exchange surface, offer **maximum resistance to corrosion** and allow the **possibility of working with high Δt (up to 40°C)**, thus reducing setup times.



**REPRESENTATIVE INTERNAL VIEW OF
CONDEXA PRO
(models 90 - 100)**

TECHNOLOGY: THE STRUCTURE

The heat module of CONDEXA PRO is designed for **open flue operation, which can be converted to room-sealed flue**, using the appropriate accessory. All models are provided with flowmeter for control of the minimum flow rate on the delivery tube, and a minimum pressure switch on the return tube to

check the minimum pressure and detect the return temperature (ΔT control) for modulating pump control (PWM). The flue gas temperature probe checks the correct operation and the request for cleaning of the heat exchanger, if necessary.

KEY

- 01 FLUE GAS ANALYSIS OUTLET
- 02 FLUE GAS OUTLET CONNECTION
- 03 FAN
- 04 MAIN HEAT EXCHANGER
- 05 BOILER MAIN CONTROL BOARD
- 06 DRAIN TAP
- 07 MINIMUM PRESSURE SWITCH CALIBRATED AT 0.7 BAR
- 08 CIRCULATION PUMP (FITTED AS STANDARD ON P MODELS, AVAILABLE AS AN ACCESSORY FOR THE OTHER MODELS)
- 09 FLOWMETER
- 10 GAS VALVE
- 11 FLUE GAS TEMPERATURE SENSOR
- 12 FLUE GAS CLAPET VALVE
- 13 RETURN PROBE
- 14 INTERFACE DISPLAY BOILER CONTROL
- 15 IGNITION/ DETECTION ELECTRODE
- 16 SAFETY THERMOSTAT WITH MANUAL RESET FROM BOARD
- 17 DELIVERY PROBE
- 18 AUTOMATIC AIR VENT
- 19 COMBUSTION AIR INLET (OPTIONAL ROOM-SEALED KIT)



20 EXPANSION VESSEL

21 3-WAY VALVE

The **models 35 P and 50 P** feature a different heat exchanger, as described in the previous pages, and **allow installing a 3-way valve inside the boiler** for the production of domestic hot water.

It is also **possible to install an optional expansion vessel** inside the boiler itself.

TECHNICAL DATA

Description			u.o.m.	CONDEXA PRO								
				35 P	50 P	57 P	70 P	90	110	115	135	
Type of appliance				Condensing heat appliance B23, B53; B53P								
Fuel				G20-G25-G30-G31								
Appliance category				II2H3P								
Combustion chamber				vertical								
Maximum nominal heat input at furnace referred to the HCV (LCV)			kW	38,7 (34,9)	50 (45)	63 (57)	76 (68)	100 (90)	108 (97)	124 (112)	146 (131)	
Minimum nominal heat input at the furnace referred to the HCV (LCV)			kW	10 (9)	10 (9)	15 (14)	15 (14)	21,6 (19,4)	21,6 (19,4)	24,9 (22,4)	29,2 (26,2)	
Useful (nominal) heat output			kW	34,4	44,2	56	68	88	95	110	129	
Maximum nominal heat output (80-60°C)	P4	G20	kW	34,4	44,2	55,7	67,0	88,3	95,3	109,8	129,0	
Maximum nominal heat output (50-30°C)	-	G20	kW	38,0	48,8	61,9	73,9	97,4	105,1	121,1	142,1	
Maximum nominal heat output (60-40°C)	-	G20	kW	36,6	47,0	59,6	71,4	93,8	101,1	116,2	137,3	
Heat output 30% with return 30°C	P1	G20	kW	11,5	14,7	18,7	22,3	29,4	31,7	36,6	43,0	
Minimum nominal heat output (80-60°C)	-	G20	kW	8,9	8,9	13,5	13,5	19,2	19,2	22,1	26	
Seasonal space heating energy efficiency class				A	A	A	A	-	-	-	-	
Seasonal space heating energy efficiency	ηs		%	93,1	93,1	93,1	93,1	-	-	-	-	
Efficiency at nominal heat input and high temperature regime HCV (LCV)	η4	Useful heat input (60-80°C)	%	88,5 (98,4)	88,4 (98,3)	88,4 (98,3)	88,2 (97,9)	88,3 (98,0)	88,2 (97,9)	88,6 (98,3)	88,2 (97,9)	
Efficiency at 30% of nominal heat input and low temperature regime HCV (LCV)	η1	Useful heat input 30%	%	98,4 (109,5)	98,2 (109,2)	98,2 (109,2)	98 (108,8)	98,1 (108,9)	98 (108,8)	98 (108,8)	98,1 (108,9)	
Losses through chimney with burner operating at max nominal output (80-60°C)			%	2,3	2,3	2,3	2,3	2,5	2,6	2,5	2,6	
Losses at chimney with burner operating at 30% of nominal output (50-30°C)			%	0,5	0,5	0,5	0,5	0,6	0,6	0,5	0,6	
Thermal losses in Standby mode		Pstby	W	45	57	72	87	115	124	143	168	
			%	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	
Yearly energy consumption		QHE	GJ	71	91	117	141	-	-	-	-	
Noise (sound power level)		LWA	at max P	dB(A)	51	52	53	54	55	56	57	57
Emissions (*)		NOx	(referred to HCV)	mg/ kWh	42,0	43,9	34,2	36,4	38,1	38,7	39,3	46,1
Emissions at max/min heat input (G20)		CO2	%	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	
		CO	ppm	63/2,3	73/2,3	79/6,5	90/6,5	81/7,5	91,5/7,5	89/4,6	91,5/5,6	
Maximum nominal heat input (LCV)		G25	kW	35	50	53	65	85	93	107	127	
Minimum nominal heat input (LCV)		G25	kW	9	9	13	13	18,1	18,5	21,4	24,5	
Emissions at max/min heat input (G25)		CO2	%	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	9 - 9	
		CO	ppm	72/3,2	80/3,2	92/7	93,5/7	84/8	94/8	92/6	95/7	
Emissions at max/min heat input (G30)		CO2	%	10,4-9,9	10,4-9,9	10,4-10,4	10,4-10,4	10,4-10,4	10,4-10,4	10,4-10,4	10,4-10,4	
		CO	ppm	132/6	137/6	138/10	142/10	148/11	159/11	172/13	180/15	
Emissions at max/min heat input (G31)		CO2	%	10,4-9,9	10,4-9,9	10,4-10,4	10,4-10,4	10,4-10,4	10,4-10,4	10,4-10,4	10,4-10,4	
		CO	ppm	136/8	141/8	142/11	147/11	153/12	163/12	177/14	185/16	
Flue gas temperature at max P and min P 80-60°C			°C	66,5/61	67,5/61	71/61	72/61	76/62	78/62	75/61	77/61	
Flue gas temperature at max P and min P 50-30°C			°C	44/32	45/32	45/33	46/33	47/35	49/35	45/33	48/35	
Flue gas mass airflow (**)			Kg/s	0,015	0,02	0,025	0,03	0,04	0,046	0,05	0,06	
Water side resistance (ΔT 20°C)			mbar	-	-	-	-	160	210	350	510	
Useful head available (Δ 20°C)			mbar	250	420	490	390	-	-	-	-	
Maximum operating pressure			bar	6								
Minimum working pressure			bar	0,7								
Maximum allowed temperature			°C	100								
Blocking thermostat activation temperature			°C	95								
Temperature adjustment range (min / max)			°C	30 / 80								
Heat module water content			l	5	5	15	15	17	17	23	25	
Max. condensate production at 100% nominal power (50-30°C)			l/h	5,4	7	8,9	10,1	13,6	15	17,5	19,8	
Electrical power supply			V-Hz	230-50								
Electrical protection level			IP	IPX4D								
Electrical power absorbed at full load	Elmax	W	75	105	63	77	150	203	205	302		
Electrical power absorbed at partial load	Elmin	W	31	34	30	30	36	31	44	45		
Electrical power absorbed in stand-by mode			W	9	9	13	13	6	6	6	8	
Fuel consumption		G 20	mc/h	0,95÷3,69	0,95÷4,76	1,43÷6,0	1,43÷7,24	2,06÷9,53	2,06÷10,29	2,37÷11,82	2,5÷13,91	
		G 30	kg/h	0,73÷2,82	0,73÷3,64	1,09÷4,58	1,09÷5,53	1,57÷7,28	1,57÷7,86	1,81÷9,02	1,91÷10,62	
		G 31	kg/h	0,71÷2,77	0,71÷3,57	1,07÷4,50	1,07÷5,43	1,54÷7,15	1,54÷7,72	1,78÷8,86	1,87÷10,43	
Net weight			kg	64	64	64	64	69	69	84	90	

** Values referred to the atmospheric pressure above sea level.
*Weight values calculated according to standard EN 15502.

CONDEXA PRO EFFICIENCY

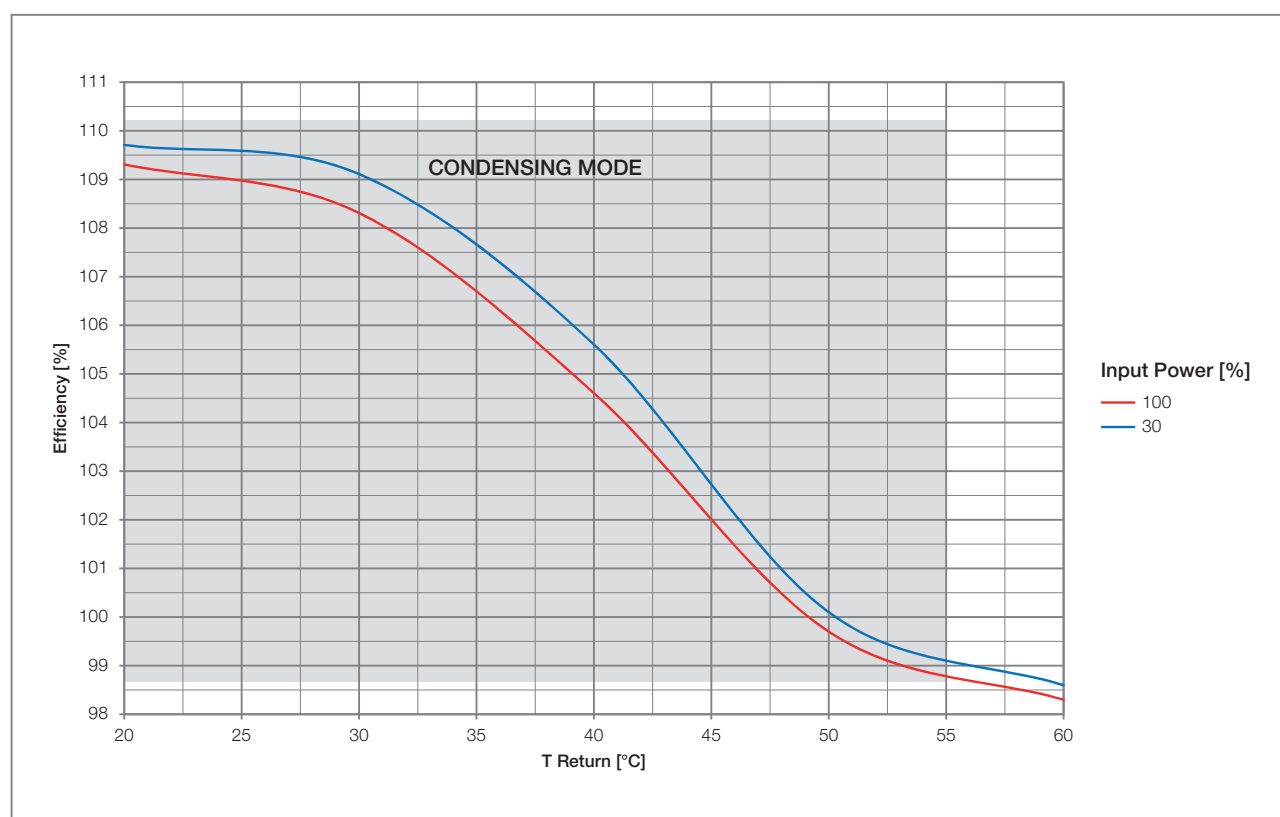
CONDENSING BOILERS WORK BY ALLOWING THE FLUE GAS WATER VAPOR TO CHANGE PHASE AND CONDENSE OUT OF THE FLUE GAS PRODUCTS. THE PHASE CHANGE OCCURS ON THE HEATING SURFACES OF THE HEAT EXCHANGER, PROVIDING ADDITIONAL ENERGY, WHILE LATENT HEAT IS TRANSFERRED TO THE WATER WITHIN THE HEAT EXCHANGER AND THEREFORE INCREASES BOILER EFFICIENCY. HENCE THE TEMPERATURE OF THE RETURN WATER IS CRUCIAL FOR SYSTEM EFFICIENCY. IN ADDITION TO INCREASING BOILER EFFICIENCY, A LOWER FLOW AND RETURN WATER TEMPERATURE ALSO WILL REDUCE THE PIPING LOOP HEAT LOSSES.

The return water in condensing boiler systems needs to be cooler than the dew point for flue gases to condensate. If temperatures are too high, condensation will not occur (around over 55°C).

Lower water return temperatures are achieved by lowering the hot water flow temperature set point. Assuming 20°C differential temperature across flow and return water lines, a return water temperature of 30°C will create the most efficient performance for most condensing boiler systems.

The following graph shows the effect of the return water temperature on boiler efficiency, dew point, and the condensing range. **As the return water temperature to the boiler decreases, boiler efficiency increases. The reduction of the return water temperature can impact dramatically the efficiency of CONDEXA PRO condensing boilers (increase by up to around 12%) and therefore can significantly save gas consumption and heating system running cost.**

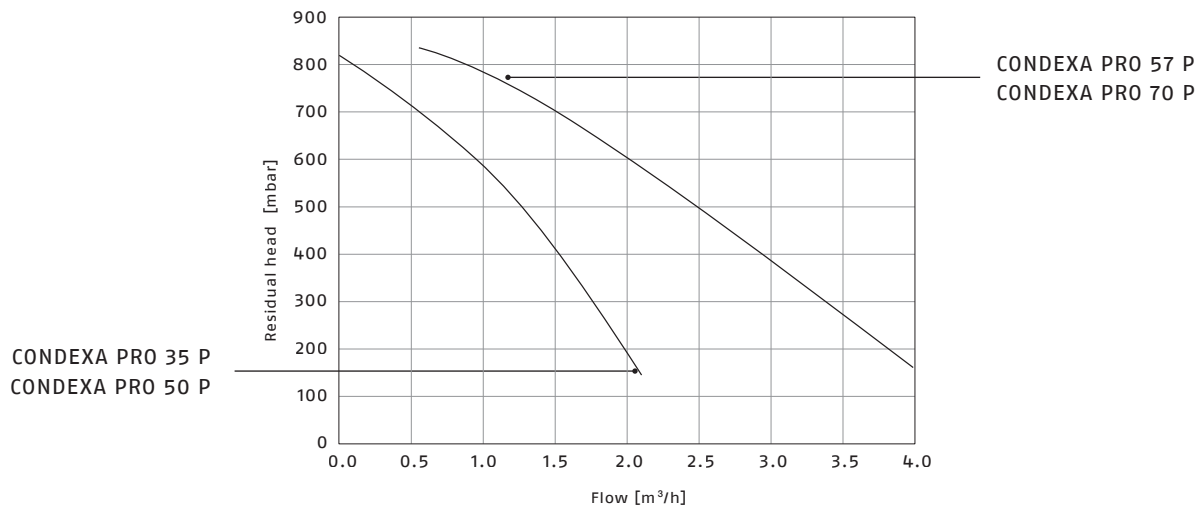
For example, by lowering the return water temperature by 10°C from 50°C to 40°C, it is possible to reduce the gas consumption of the CONDEXA PRO condensing boilers by around 6%.



HYDRAULICS

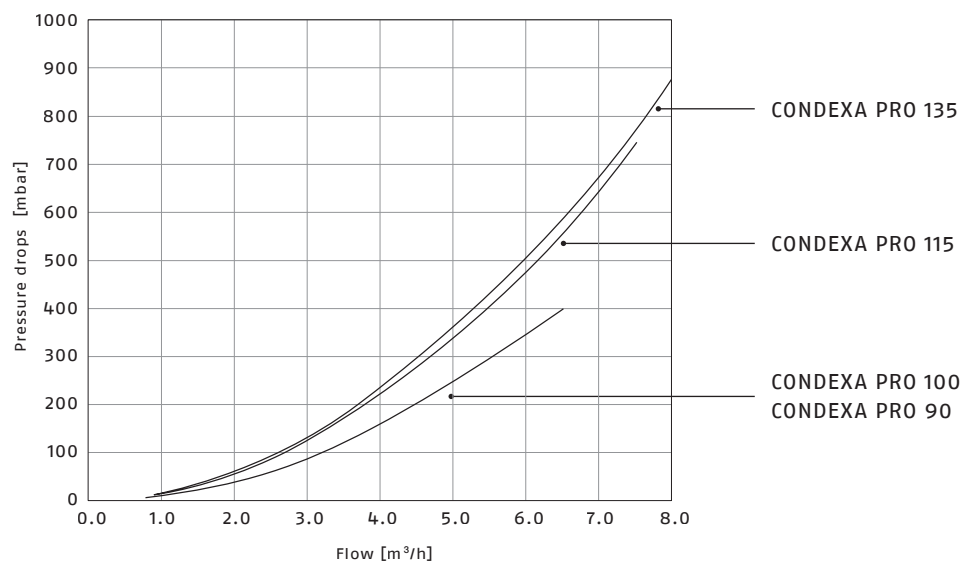
CIRCULATION PUMPS

The models **CONDEXA PRO 35 P**, **CONDEXA PRO 50 P**, **CONDEXA PRO 57 P** and **CONDEXA PRO 70 P** are equipped with circulation pump.



PRESSURE DROPS ON WATER SIDE OF GENERATORS

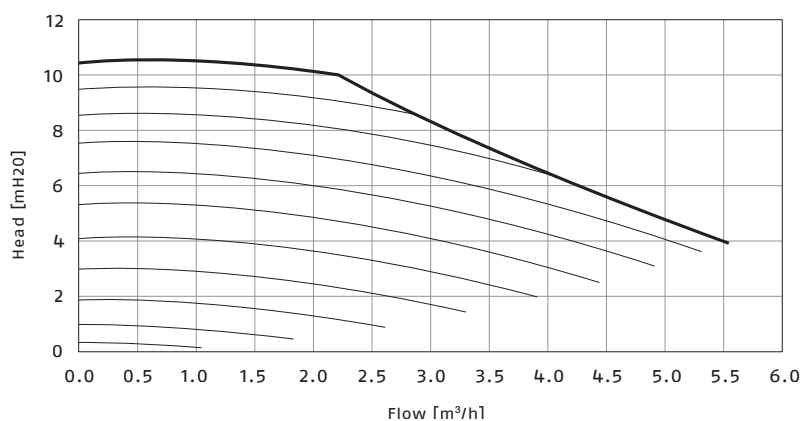
The models **CONDEXA PRO 90**, **CONDEXA PRO 100**, **CONDEXA PRO 115** and **CONDEXA PRO 135** are not provided with circulation pump, which must be installed inside or outside the equipment. For its dimensioning, consider pressure drops on water side of the heat modules, shown in the diagram below.



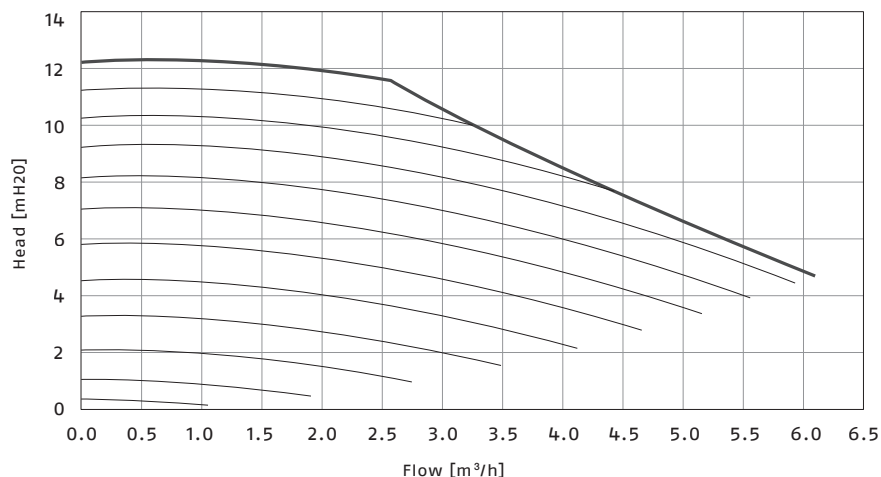
INJECTION PUMP KIT

For the models **CONDEXA PRO 90**, **CONDEXA PRO 100**, **CONDEXA PRO 115** and **CONDEXA PRO 135**, which are not provided with circulation pump, **the available pump kits can be installed inside or outside the equipment**. Please find below the characteristic curves of the three circulation pumps.

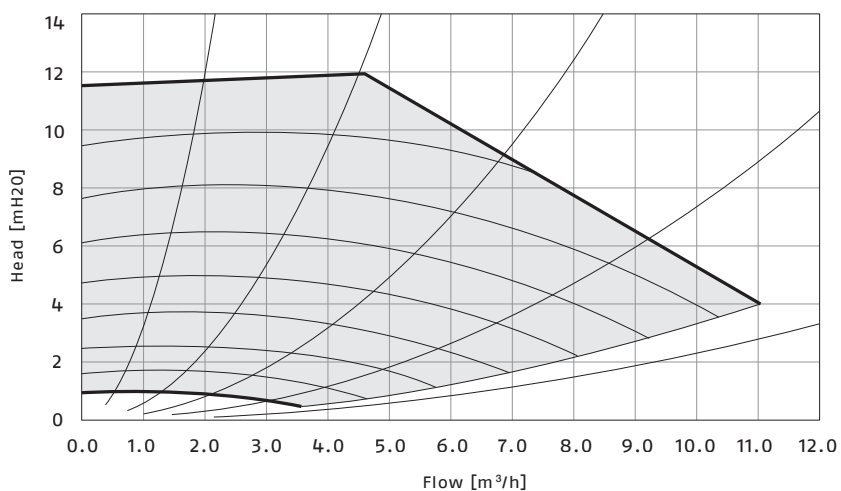
**CIRCULATION PUMP
THAT CAN BE INSTALLED
ON THE MODELS
CONDEXA PRO 90, 100, 115**



**CIRCULATION PUMP
THAT CAN BE
INSTALLED ON THE
MODELS CONDEXA PRO
115 (HIGH HEAD) AND
135 (LOW HEAD ONLY).**



**CIRCULATION PUMP
THAT CAN BE
INSTALLED ONLY ON
THE MODEL CONDEXA
PRO 135.**



TEN GOOD REASONS TO CHOOSE CONDEXA PRO CASCADE SYSTEMS

MAXIMUM PERFORMANCE IN ANY CONDITION

The modulation of a CONDEXA PRO cascade system is considerably higher than that of a single boiler. In fact, through the control of the number of heat modules in operation, the system optimises the power delivered according to the actual requirements.

In the middle seasons – spring and autumn – when the demand is lower because of the favourable climatic conditions, or in buildings with very variable needs depending on the presences (Hotels and Restaurants), the cascade control will activate only the boilers required, ensuring the necessary power to meet the actual heat needs.

CONTINUITY OF SERVICE WITHOUT CONCERN

CONDEXA PRO cascade systems are much more reliable than monobloc boilers. In case of a unit downtime, the rest of the system is not involved and continues to operate to meet the heat requirements.

BEST CHOICE FOR REPLACEMENT

The modularity of CONDEXA PRO systems is the right solution in case of replacement of central heating systems with difficult access to the plant room: each unit of the cascade can be easily transported and has reduced dimensions and weight.

MAXIMUM COST-EFFECTIVENESS FOR REPLACEMENT

The high efficiency of the system, together with the condensing technology, make CONDEXA PRO system the ideal solution for energy retrofits. There is no need to wait for the existing boiler to break down, as the cost of replacement pays for itself in a few years thanks to the saving on gas supply.

MAXIMUM RESPECT FOR THE ENVIRONMENT

Heat modules CONDEXA PRO have reached the best NO_x emission class (Class 6 according to UNI EN 15502) thanks to the total premix burner with micro flame. Moreover, the cascade system manages the ignition of the burners, activating only those necessary for the current heat requirements, thus reducing CO₂ emissions.

MAXIMUM EASE OF MAINTENANCE

The CONDEXA PRO range is designed for an easy maintenance with direct frontal access to all the internal components. Maintenance of the single module of the cascade system can be carried out even if the other modules are running.

MAXIMUM SPACE OPTIMISATION

The cascade CONDEXA PRO system is designed to take as little space as possible, so as to be suitable for both condominiums and commercial buildings. The compact size of the single module (1000x600x435 mm) and an innovative frame, able to contain more than 1 MW in 2.6 m², allow installation even in small plant rooms.

MAXIMUM FLEXIBILITY

The CONDEXA PRO system is suitable for plant rooms where space is limited: thanks to the wide range of accessory kits, CONDEXA PRO is available for stand-alone wall-mounted application, or for cascade application, with linear or back to back configurations. It is also possible to choose output and configuration according to the requirements and the space available.

MAXIMUM EASE OF INSTALLATION

Cascade heat modules CONDEXA PRO can be easily installed thanks to the large number of accessory kits available. Every single module can be transported separately to the plant room, easily passing through any door. The installer will only have to assemble modules and kits with simple, easy and fast operations.

MAXIMUM MODULATION RANGE AND ELECTRONIC MANAGEMENT SPEED

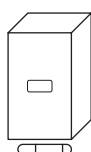
CONDEXA PRO boilers feature an electronic board able to manage complex systems thanks to the precision of calculation programs and to the processing speed. Thanks to the onboard electronics, with the addition of the accessory kit for flue and hydraulics, it is possible to manage up to 10 modules in cascade, thus reaching a very high modulation ratio.

MAXIMUM APPLICATION FLEXIBILITY

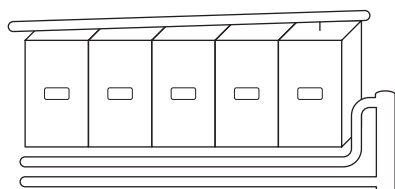
Each model of CONDEXA PRO can be installed in cascade with up to 10 modules, except for CONDEXA PRO 135 that can be configured with up to 8 modules. Considering the number of linear and back-to-back configurations, CONDEXA PRO range allows implementing 140 types of cascade configurations, which added to the single applications of the various models reaches

148 applications.

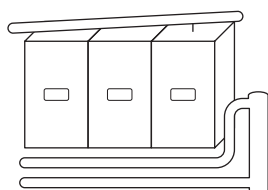
The number increases significantly if we add plate heat exchangers and hydraulic separators as accessory kits to these configurations. This adaptability allows CONDEXA PRO to stand out in the reference scenario of high power boilers, a plus that is increasingly appreciated also in the plant room.



**STAND-ALONE
CONFIGURATIONS
8**



**LINEAR CASCADE
CONFIGURATIONS
70**



**BACK-TO-BACK CASCADE
CONFIGURATIONS
70**

OUTPUT RANGE FOR CASCADE APPLICATIONS

Summary table
of output range
for each model in
cascade application

CONDEXA PRO 35 P
(2-10 pcs)

CONDEXA PRO 50 P
(2-10 pcs)

CONDEXA PRO 57 P
(2-10 pcs)

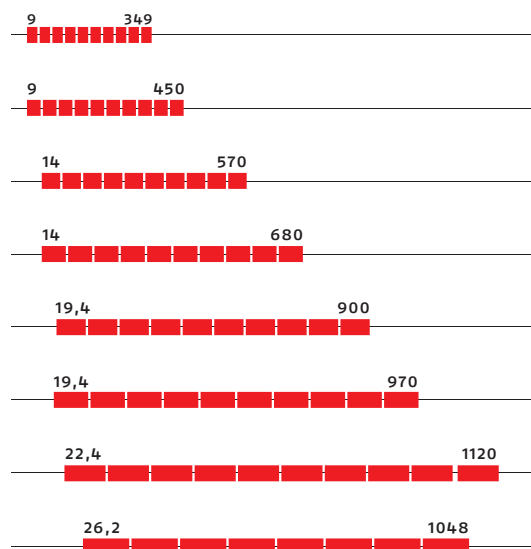
CONDEXA PRO 70 P
(2-10 pcs)

CONDEXA PRO 90
(2-10 pcs)

CONDEXA PRO 100
(2-10 pcs)

CONDEXA PRO 115
(2-10 pcs)

CONDEXA PRO 135
(2-8 pcs)



USER INTERFACE



THE SYSTEM BRAIN

CONDEXA PRO electronic control has complex functions. It must monitor and quickly process several information, originating from the generators and from the installation, to produce the maximum comfort for the user with the minimum energy waste and the maximum operation safety. The CONDEXA PRO control features fine calculation programs, an efficient survey and

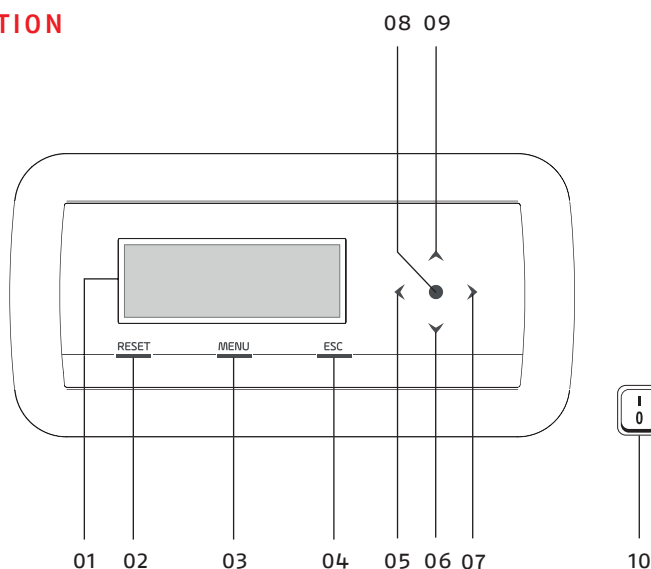
high elaboration speed.

The operation logic of the boiler in "managing" or "depending" mode, in case of cascade application, are integrated in the board and ensure the maximum application flexibility.

The interface display is backlit, intuitive and multi-language, to simplify the dialogue between the unit and the users.

CONTROL INTERFACE PRIMARY INFORMATION

- 01** Backlit display, 255x80 pixels (106,4x39,0 mm)
- 02** RESET key: it allows resetting the operation after a stop due to an anomaly
- 03** MENU key: it allows accessing the main menu
- 04** ESC key: in the menu navigation it allows exiting a menu item and go back to the previous one
- 05/09** Navigation keys
- 10** Main switch (located on the equipment lower side)



RiCLOUD

AND CONDEXA PRO

..... SIMPLE

RiCLOUD is the quick and easy way to control your home heating and has been developed by Riello to optimise your comfort and economy. Using the latest 'smart' technology, RiCLOUD will surprise you with its ease of use and installation. With the RiCLOUD App, programming your thermostat has never been so simple and intuitive.



SMART INSTALLATION

RiCLOUD is surprisingly quick and easy to install. If you are replacing an old thermostat, RiCLOUD requires no additional wiring. You can also install the wireless RiCLOUD anywhere in your home by adding a small receiver. And if you want to create different heating zones with individual programming of temperature and hours of operation, RiCLOUD makes this possible. In fact, RiCLOUD WiFi Box can manage up to 8 different zones, each managed by its own RiCLOUD thermostat.



SMART FOR EVERYONE

With RiCLOUD, programming your home heating has never been so easy. With a traditional thermostat, changing or altering the program or settings can be fussy and overcomplicated. However, with the RiCLOUD App, changing or adapting your heating times and functions could not be easier or more intuitive.

Programmable thermostat with ON/OFF functions that can be connected to the home WiFi. Simple to install and easy to connect to internet. Always with you via Smartphone and Tablet. Further information are available on RiCLOUD website.

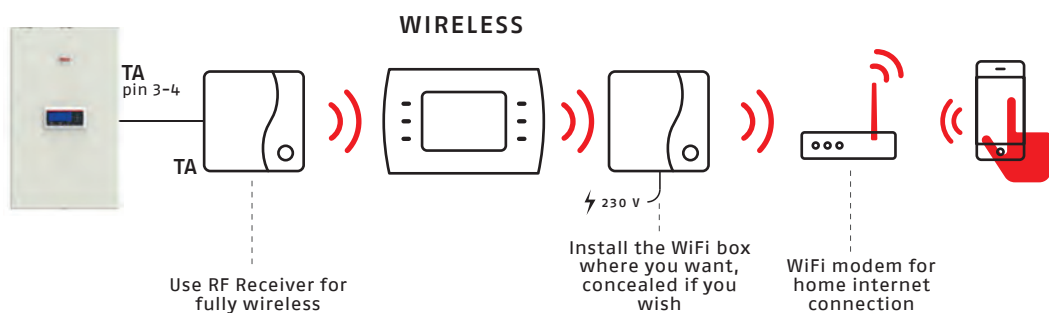
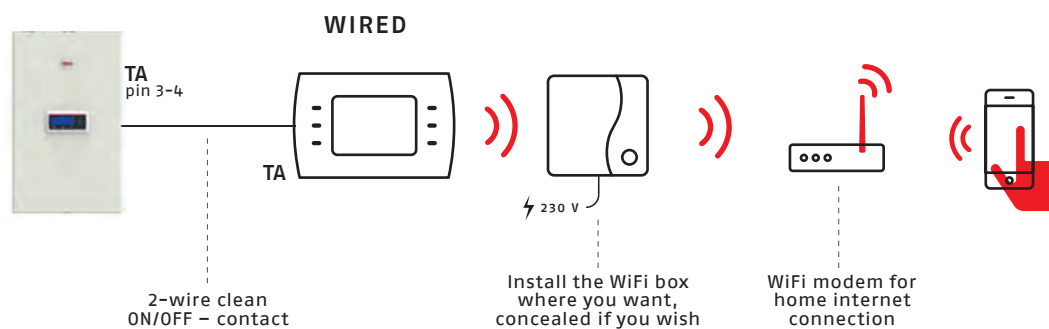


www.riello.it/ricloud

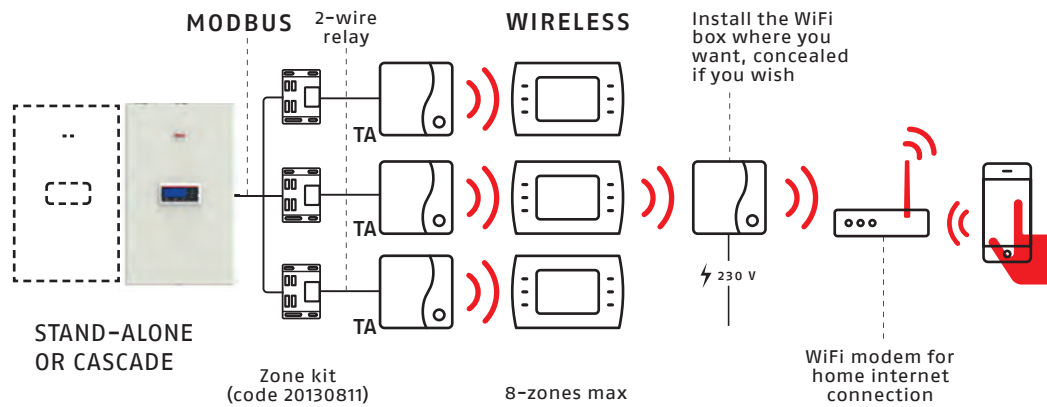
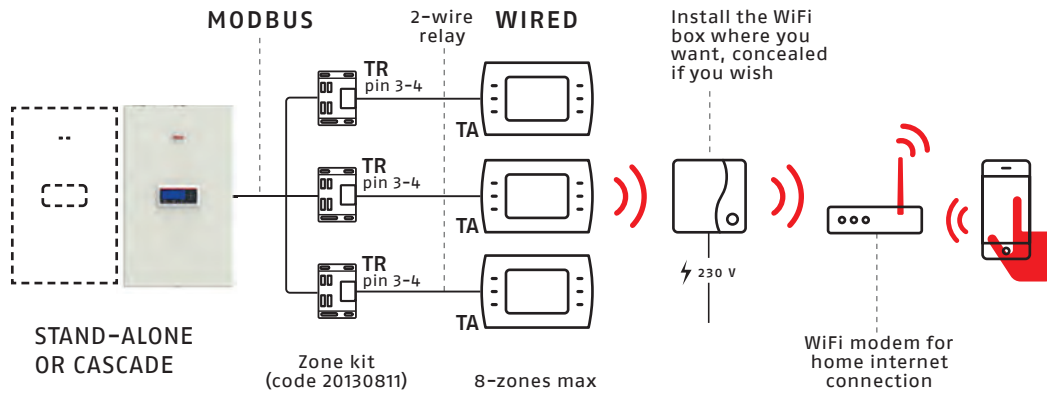
Download App



RICLOUD MANAGING STAND-ALONE BOILER



RICLOUD MANAGING MULTIZONE WITH 'ZONE HEATING KIT'



SYSTEM CONFIGURATION GUIDE

IN THIS SECTION WE WILL ILLUSTRATE THROUGH FLOW-CHARTS
HOW TO COMPOSE THE DIFFERENT APPLICATIONS OF CONDEXA PRO,
EITHER IN STAND-ALONE OR CASCADE CONFIGURATION.
STEP BY STEP YOU WILL BE GUIDED IN THE CHOICE OF THE DIFFERENT COMPONENTS
AND ACCESSORIES, ACCORDING TO YOUR INSTALLATION NEEDS.

CONDEXA PRO - STAND-ALONE APPLICATION	26
CONDEXA PRO - CASCADE APPLICATION	37
CONDEXA PRO - INSPECTABLE PLATE HEAT EXCHANGERS	64

CONDEXA PRO

MODULAR CONDENSING WALL-HUNG BOILERS FOR INDOOR APPLICATION – FEATURES



- New condensing heat exchanger in stainless steel.
- Complete pre-mix combustion and low NOx emissions: Class 6 (UNI EN 15502).
- Possibility to cascade up to 1120 kW (using the embedded 'Managing/Depending' control logic).
- Thanks to our embedded 'Managing/Depending' control logic, any boiler can be configured either as the 'Managing' or as a 'Depending' boiler within the cascade (same product code).
- Built-in thermoregulation with outdoor probe available as an accessory.
- Possibility to combine CONDEXA PRO boilers in linear or back-to-back cascade applications.
- Possibility to use either Low Energy pumps (also Δt logic) or 2-way valves on the primary circuit.
- Modulating and modular power regulation.
- Automatic burner ignition sequence reversal (at adjustable steps).
- Simultaneous control of two different circuits: DHW tank and high temperature.
- Management of up to 16 zones through an optional kit.
- Automatic summer/winter switch-over.
- 'Anti-legionella' function as standard.
- Suitable for remote control management (0-10V input or Modbus) via optional kit.
- Availability of a wide range of accessories for complete configurations.
- Can be converted to LPG through LPG kit supplied as standard.

IN THIS CHAPTER WE WILL ILLUSTRATE THROUGH FLOW-CHARTS HOW TO COMPOSE THE DIFFERENT APPLICATIONS OF CONDEXA PRO, EITHER IN STAND-ALONE OR CASCADE CONFIGURATION. STEP BY STEP YOU WILL BE GUIDED IN THE CHOICE OF DIFFERENT COMPONENTS AND ACCESSORIES, ACCORDING TO YOUR INSTALLATION NEEDS.

A – CONFIGURATION GUIDE FOR STAND-ALONE APPLICATION AND ACCESSORIES SELECTION

For the selection of the components of the stand-alone configuration, please follow the flow chart below and refer to the relevant tables in the following pages.



- | | |
|---|---|
| <ol style="list-style-type: none"> 1 BOILER MODEL SELECTION 2 SA INSTALLATION KIT AND COMPLEMENTARY ACCESSORIES 3 SHUNT PUMPS 4 SAFETY ACCESSORIES (AS OPTIONAL) 5 LOW LOSS HEADER OR PLATE HEAT-EXCHANGER (AS OPTIONAL) | <ol style="list-style-type: none"> 6 SECONDARY CIRCUIT MANAGEMENT 7 OUTDOOR INSTALLATION 8 TREATMENT SYSTEMS FOR CONDENSATE NEUTRALIZATION 9 COMBUSTION TYPE: CONVENTIONAL FLUE OR ROOM-SEALED 10 FLUE SYSTEMS |
|---|---|

CONDEXA PRO – STAND-ALONE APPLICATION

1 BOILER MODEL SELECTION

CONDEXA PRO range consists of **8 MODELS**, listed in the following pages, that can be installed either as stand-alone or in cascade configuration (linear and back to back), totalling **148 CONFIGURATIONS** in all.

ATTENTION:

Every model is available under different codes, according to the documentation language/s of the instruction manual supplied with the product.

Please select the right code of your model according to the documentation language you need:

- IT / EN (Italian / English)
- FR / NL / DE (French / Dutch / German)
- ES / PT (Spanish / Portuguese)
- RU / UA (Russian / Ukrainian)
- PL / HU / RO (Polish / Hungarian / Romanian)
- SK / CZ / GR / SI / CR (Slovak / Czech / Greek / Slovenian / Croatian)

CONDENSING PRE-MIXED BOILER – TYPE B3

NG CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	FLUE GAS (Ø mm)	OUTPUT min-max NCV* (GCV)** (kW)	CLASS 	Price VAT not included (€)
20115221	IT/EN	CONDEXA PRO 35 P	1000 x 600 x 435	80	9,0 - 34,9 (38,7)		
20150683	FR/NL/DE						
20151700	ES/PT						
20151724	RU/UA						
20151751	PL/HU/RO						
20151822	SK/CZ/GR/SI/CR						
20115222	IT/EN	CONDEXA PRO 50 P	1000 x 600 x 435	80	9,0 - 45,0 (50,0)		
20150684	FR/NL/DE						
20151704	ES/PT						
20151725	RU/UA						
20151753	PL/HU/RO						
20151823	SK/CZ/GR/SI/CR						
20115223	IT/EN	CONDEXA PRO 57 P	1000 x 600 x 435	80	14,0 - 57,0 (63,0)		
20150685	FR/NL/DE						
20151706	ES/PT						
20151726	RU/UA						
20151754	PL/HU/RO						
20151824	SK/CZ/GR/SI/CR						
20115224	IT/EN	CONDEXA PRO 70 P	1000 x 600 x 435	80	14,0 - 68,0 (76,0)		
20150686	FR/NL/DE						
20151707	ES/PT						
20151727	RU/UA						
20151756	PL/HU/RO						
20151825	SK/CZ/GR/SI/CR						
20115225	IT/EN	CONDEXA PRO 90	1000 x 600 x 435	110	19,4 - 90,0 (100,0)	-	
20150687	FR/NL/DE						
20151709	ES/PT						
20151728	RU/UA						
20151759	PL/HU/RO						
20151826	SK/CZ/GR/SI/CR						

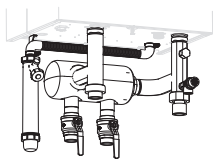
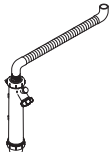
CONDEXA PRO – STAND-ALONE APPLICATION

NG CODE	LANGUAGE	MODEL	DIMENSIONS H x W x D (mm)	FLUE GAS (Ø mm)	OUTPUT min-max NCV* (GCV)** (kW)	CLASS 	Price VAT not included (€)
20115226	IT/EN	CONDEXA PRO 100	1000 x 600 x 435	110	19,4 - 97,0 (108,0)	-	
20150688	FR/NL/DE						
20151721	ES/PT						
20151730	RU/UA						
20151762	PL/HU/RO						
20151827	SK/CZ/GR/SI/CR	CONDEXA PRO 115	1170 x 600 x 435	110	22,4 - 112 (124,0)	-	
20115228	IT/EN						
20150689	FR/NL/DE						
20151722	ES/PT						
20151731	RU/UA						
20151767	PL/HU/RO	CONDEXA PRO 135	1170 x 600 x 435	110	26,2 - 131 (146,0)	-	
20151828	SK/CZ/GR/SI/CR						
20115229	IT/EN						
20150690	FR/NL/DE						
20151723	ES/PT						
20151732	RU/UA	CONDEXA PRO 135	1170 x 600 x 435	110	26,2 - 131 (146,0)	-	
20151768	PL/HU/RO						
20151829	SK/CZ/GR/SI/CR						

(*) NCV = Net Calorific Value or Lower Calorific Value (LCV)

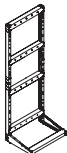
(**) GCV = Gross Calorific Value or Higher Calorific Value (HCV)

2 SA INSTALLATION KIT AND COMPLEMENTARY ACCESSORIES

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20132778		OUTDOOR PROBE Weather-dependent logic operation is enabled if the probe is connected to the boiler. The boiler flow temperature is calculated according to outdoor weather conditions.		
20142219		SA INSTALLATION KIT FOR STAND-ALONE BOILER This kit is necessary for the stand-alone installation. It contains: Connection pipe kit (1x code 20131899), Horizontal low loss header kit for stand-alone boiler (1x code 20131897), Condensate drain syphon (1x code 20133102), Safety valve 5,4 bar (1x code 20143981) and 2 x 1" Ball valves. Kit suitable for all the models.		
20143981		SAFETY VALVE 5,4 BAR The Safety valve is not included in the boilers and must be properly fitted on the system.		
20133102		CONDENSATE DRAIN SYPHON KIT FOR STAND-ALONE BOILER Drain system with floating device for condensing boilers. The kit includes: syphon unit, corrugated tube and support bracket. To be used with the models CONDEXA PRO 57 P, 70 P, 90, 100, 115, 135. The syphon is factory fitted only in the models CONDEXA PRO 35 P and 50 P.		

CONDEXA PRO – STAND-ALONE APPLICATION

FOR ALL CONDEXA PRO MODELS

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131270		REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION Spacer kit necessary when concentric flue terminal is used for direct back flue exit.		
20131663		RIG FOR LINEAR CASCADE CONFIGURATION Rig for "linear" cascade configuration, allowing the installation of the gas return-flow hydraulic manifold and condensate drain kits in the lower part, by means of suitable supports. It is equipped with adjustable feet for ground fixing.		
20131664		TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION Additional kit to be matched with Rig for linear cascade configuration (code 20131663) in order to get a BACK-TO-BACK cascade configuration.		

3 SHUNT PUMPS

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20125034		SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115 Low-consumption shunt pump kit. The connection cable to the boiler is supplied. This shunt pump, to be fitted INSIDE the boiler, offers a high residual head (370 mbar) on CONDEXA PRO 90 - 100 - and with these boilers it can be combined with the (optional) plate heat exchanger. If used on CONDEXA PRO 115, it offers a regular head (70 mbar) at $\Delta T=20^{\circ}\text{C}$ and it can be combined with the (optional) low loss header but not with the plate heat exchanger.	(1)	
20125035		HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115 Low-consumption shunt pump kit. The connection cable to the boiler is supplied. This shunt pump, that can be fitted INSIDE the boiler, offers a high residual head (270 mbar at $\Delta T=20^{\circ}\text{C}$) on CONDEXA PRO 115. If combined with the model 135 as stand-alone configuration, this shunt pump offers a very low residual head (10 mbar) and has to be used ONLY in case of combination with SA Installation kit for stand-alone boiler (code 20142219).	(1)	
20125040		HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135 Low-consumption shunt pump kit with high residual head (570 mbar with $\Delta T=20^{\circ}\text{C}$). The connection cable to the boiler is supplied. This shunt pump cannot be fitted within the boiler, it has to be installed under the gas fired boiler. See specific connection pipes for OUTSIDE pump (codes: 20131121 - 20131125 - 20131123 - 20131788 - 20131792 - 20131790).	(1)	

(1) On the models CONDEXA PRO 35 P - 50 P - 57 P - 70 P the shunt pump is already on board.

CONDEXA PRO – STAND-ALONE APPLICATION

4 SAFETY ACCESSORIES (AS OPTIONAL)

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131898		MANIFOLD KIT WITH INAIL DEVICES FOR STAND-ALONE BOILER The kit includes: insulation and safety devices according to INAIL (Italian Safety Certification Institute, type-approved); pressure gauge; temperature gauge; pressure switch; safety valve 5,4 bar INAIL approved; temperature driven gas safety cut-off valve.		
20131899		CONNECTION PIPE TO HORIZONTAL LOW LOSS HEADER/PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER Connection pipe to low loss header (hydraulic separator) /plate heat exchanger. Mandatory to be paired with horizontal low loss header (code 20131897). Supplied with insulation and 2 3/4" - F threaded fittings to cap safety valve location.		
20009486		GAS SAFETY CUT-OFF VALVE - Ø 6,1" - T=97°C - CAPILLARY TUBE L=5m 1" gas safety shut-off valve, positive action with manual resetting. Liquid expansion thermostat. 97 °C (±3 °C) activation temperature, capillary length 5 m, 1/2"M sensor sheath connection (with 1/2"F x 3/4"M nipple). Limitations of use: 131 kW with gas intake pressure = 20 mbar. Compliance with Italian INAIL Regulations. PED 97/23/EEC, ATEX 94/9/EEC certified.		

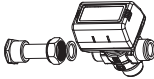
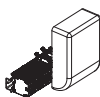
5 LOW LOSS HEADER OR PLATE HEAT-EXCHANGER (AS OPTIONAL)

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131897		HORIZONTAL LOW LOSS HEADER KIT FOR STAND-ALONE BOILER 4" insulated horizontal low loss header (hydraulic separator), for stand-alone installation. Mandatory to be paired with 20131899 or 20131898.		
20133224		COVER FOR LOW LOSS HEADER FOR STAND-ALONE BOILER Insulated cover for low loss header for stand-alone boiler. (ONLY in case of presence of kit 20131898).		
20132368		PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER 35 P - 50 P It includes plate heat-exchanger, connection pipes and supporting rig.		
20132369		PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER 57 P - 70 P It includes plate heat-exchanger, connection pipes and supporting rig.		
20132370		PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER 90 - 100 It includes plate heat-exchanger, connection pipes and supporting rig.		
20132371		PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER 115 It includes plate heat-exchanger, connection pipes and supporting rig; for the plate heat exchanger it is always necessary a pump with high residual head.		
20132372		PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER 135 It includes plate heat-exchanger, connection pipes and supporting rig; for the plate heat exchanger it is always necessary a pump with high residual head.		
20136823		CONNECTION KIT FOR DIRECT INSTALLATION Kit including delivery and return insulated tubes, for direct installation without hydraulic separator.		
20139239		EXPANSION VESSEL KIT FOR STAND-ALONE BOILERS 35 P / 50 P		
20145587		COVER FOR PLATE HEAT EXCHANGER		

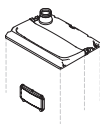
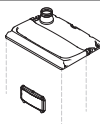
Note: INAIL = Italian Safety Certification Institute

CONDEXA PRO – STAND-ALONE APPLICATION

6 SECONDARY CIRCUIT MANAGEMENT

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
1220599		PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK The probe can be used for the following functions: - DHW tank management (SB) - secondary loop temperature alignment, if primary loop is managed (SC) - management of additional mixed zones when managed by dependent boiler (S2...) (NTC probe 10KΩ @ 25°C B3435 - 3 m length - Ø6,5 mm).		
20136713		3-WAY VALVE KIT FOR DHW PRODUCTION FOR 35 P AND 50 P		
20130811		ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16) Kit to manage an additional heating zone, whether direct or mixed. The device can be mounted on a DIN rail. Electronic module is connected to the boiler board via BUS protocol. It allows managing the controlled zone with a dedicated temperature curve. The kit includes the probe that is necessary for the mixed zone. Characteristics: - Direct or mixed zone control - 3-point mix or step valve control - Zone circulation pump control - TA (suggested RiCLOUD control in ON/OFF) or OT probe inlet.		

7 OUTDOOR INSTALLATION

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20132365		KIT IPX5D FOR OUTDOOR INSTALLATION 35÷70		
20128135		KIT IPX5D FOR OUTDOOR INSTALLATION 90÷135		

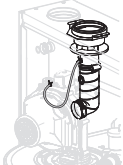
8 TREATMENT SYSTEMS FOR CONDENSATE NEUTRALIZATION

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
4031811		CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW Supplied with condensate extraction pump. The systems allows increasing pH value of the condensate from condensing boiler flue gases to values included between 6.5 and 9, so that they can be disposed of in the sewerage. The kit is suitable for all those installations equipped with plant room condensate drain higher than the boiler condensate drain. The pump is controlled by an electrical contact. Electrical connections with protection degree IP54.		
4031810		CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW The systems allows increasing pH value of the condensate from condensing boiler flue gases to values included between 6.5 and 9, so that they can be disposed of in the sewerage. The kit is designed for all those installations equipped with plant room condensate drain lower than the boiler condensate drain, therefore already inclined downwards. Therefore neither pump nor relevant electrical connections are required.		

CONDEXA PRO – STAND-ALONE APPLICATION

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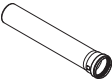
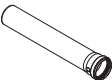
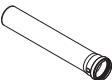
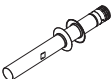
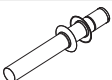
COMBUSTION TYPE: CONVENTIONAL FLUE OR ROOM-SEALED

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131665		ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P Kit for room-sealed transformation. The kit includes Ø80 mm joint for combustion air intake, extension pipe to boiler fan and a silicone tube for pressure detection in the air duct.		
20131668		ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135 Kit for room-sealed transformation. The kit includes Ø110 mm joint for combustion air intake, extension pipe to boiler fan and a silicone tube for pressure detection in the air duct.		

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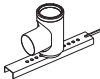
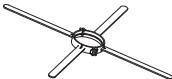
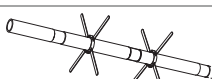
FLUE SYSTEMS

Ø 80 FLUE SYSTEM FOR CONDEXA PRO 35 – 50 P – 57 P – 70 P

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20137503		Ø80, 45° BEND		
20137506		Ø80, 90° BEND		
20137508		Ø80 EXTENSION L=500 mm		
20137509		Ø80 EXTENSION L=1000 mm		
20137511		Ø80 EXTENSION L=2000 mm		
20137517		Ø80 HORIZONTAL FLUE TERMINAL L=985 mm		
20137515		Ø80 AIR INLET HORIZONTAL TERMINAL L=662 mm		

CONDEXA PRO – STAND-ALONE APPLICATION

Ø 80 FLUE SYSTEM FOR INSIDE-CHIMNEY INSTALLATION CONDEXA PRO 35 P – 50 P – 57 P – 70 P

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20132504		Ø80 SUPPORT CHIMNEY KIT		
20132505		Ø80 PIPE SPACERS FOR INSIDE-CHIMNEY		
20132506		Ø80 STRAIGHT INSPECTION PIPE		
20132508		Ø80 CHIMNEY COVER		
20145888		Ø80 SHELF SUPPORT KIT FOR CONDENSATE TRAP		
20132510		Ø80 FLEXIBLE/RIGID CONNECTION (M)		
20132511		Ø80 FLEXIBLE/FLEXIBLE CONNECTION (F/F)		
20132512		Ø80 RIGID/FLEXIBLE CONNECTION (F)		
20132518		DRAIN SYPHON KIT		
20132513		Ø80 T-CONNECTION KIT		
20132514		Ø80 T-CONNECTION TAP FOR CONDENSATE TRAP		
20132509		Ø80 FLEXIBLE EXTENSION – L=12,5 m WITH 8 SPACERS		
20131271		Ø80 CHIMNEY COVER FOR RIGID/FLEXIBLE SYSTEM		

CONDEXA PRO – STAND-ALONE APPLICATION

Ø110 FLUE SYSTEM FOR CONDEXA PRO 90 – 100 – 115 – 135

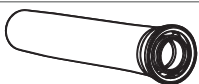
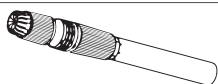
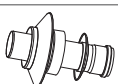
CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131202		Ø110, 90° BEND WITH INSPECTION		
20131205		Ø110, 45° BEND		
20131208		Ø110, 90° BEND		
20131210		Ø110 EXTENSION L=1000 mm		
20131218		Ø110 T-CONNECTION KIT WITH CONDENSATE TRAP		
20131221		Ø110 T-CONNECTION KIT WITH CHIMNEY SUPPORT AND CONDENSATE TRAP		
20131222		Ø110 T-CONNECTION KIT		
20131225		Ø110 CHIMNEY COVER WITH END CAP		

Ø60/100 CONCENTRIC FLUE SYSTEM FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P

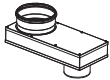
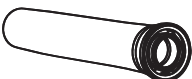
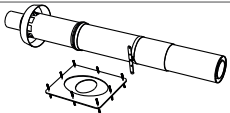
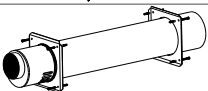
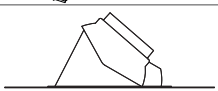
CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20133345		FLUE ADAPTER FROM TWIN FLUE Ø80/80 TO CONCENTRIC FLUE Ø60/100 Compatible only with room-sealed combustion kit "type C" installed (code 20131665)		
20132018		Ø60/100 HORIZONTAL FLUE TERMINAL		
20132020		Ø60/100 VERTICAL FLUE TERMINAL		

CONDEXA PRO – STAND-ALONE APPLICATION

Ø80/125 CONCENTRIC FLUE SYSTEM FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131055		FLUE ADAPTER FROM TWIN FLUE Ø80/80 TO CONCENTRIC FLUE Ø80/125 Compatible only with room-sealed combustion kit "type C" installed (code 20131665)		
20131054		Ø80/125, 45° BEND		
20131083		Ø80/125, 90° BEND		
20131095		Ø80/125, 90° BEND WITH INSPECTION		
20131084		Ø80/125 EXTENSION L=500 mm		
20131085		Ø80/125 EXTENSION L=1000 mm		
20131113		Ø80/125 ROOF TERMINAL FLUE		
20131115		Ø125 TILE FOR PITCHED ROOF (25÷45% SLOPE)		
20131098		Ø80/125 HORIZONTAL FLUE TERMINAL		
20132520		Ø80/125 WALL PASSAGE ELEMENT		

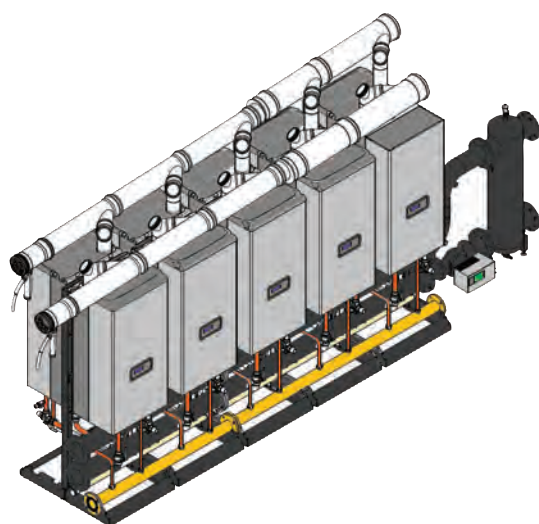
CONDEXA PRO – STAND-ALONE APPLICATION
Ø110/160 CONCENTRIC FLUE SYSTEM FOR CONDEXA PRO 90 – 100 – 115 – 135

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131059		FLUE ADAPTER FROM TWIN FLUE Ø110/110 TO CONCENTRIC FLUE Ø110/160 Compatible only with room-sealed combustion kit "type C" installed (code 20131668)		
20131036		Ø110/160, 45° BEND		
20131040		Ø110/160, 90° BEND		
20131046		Ø110/160 EXTENSION L=500 mm		
20131050		Ø110/160 EXTENSION L=1000 mm		
20147403		Ø110/160 VERTICAL FLUE TERMINAL = 1500 mm		
20131149		Ø110/160 HORIZONTAL FLUE TERMINAL L=1000 mm (90° BEND NOT SUPPLIED)		
20131145		Ø160 TILE FOR PITCHED ROOF (25÷45% SLOPE)		
20131147		Ø110/160, 90° BEND WITH INSPECTION		

CONDEXA PRO – CASCADE APPLICATION

B – CONFIGURATION GUIDE FOR CASCADE APPLICATION AND ACCESSORIES SELECTION

For the selection of the components for the cascade configuration, please follow the flow chart below by referring to the relevant tables in the following pages.



- 1 BOILER MODEL SELECTION
- 2 COMPLEMENTARY ACCESSORIES
- 3 CONFIGURATION SELECTION: LINEAR OR BACK-TO-BACK CASCADE
- 4 RIG SELECTION
- 5 SHUNT PUMPS OR 2-WAY VALVES
- 6 CONNECTION PIPES
- 7 HYDRAULIC (FLOW- RETURN) - GAS - CONDENSATE MANIFOLDS
- 8 PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSIONS FOR SAFETY KIT
- 9 HYDRAULIC SEPARATOR OR PLATE HEAT-EXCHANGER
- 10 SECONDARY CIRCUIT MANAGEMENT
- 11 TREATMENT SYSTEMS FOR CONDENSATE NEUTRALIZATION
- 12 ROOM-SEALED TRANSFORMATION KIT
- 13 FLUE SYSTEMS
- 14 FLUE SYSTEMS FOR CHIMNEYS

1 BOILER MODEL SELECTION

The boilers combined in a cascade MUST have the same output. It is not possible to cascade boilers with different outputs.
All the boilers codes are listed at page 27-28 of this guide.

OUTPUT TABLE OF CASCADE SYSTEMS, OBTAINED BY COMBINING BOILERS MODELS/QUANTITY

Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	34,9	50	57	68	90	97	112	131
Quantity of boilers	Total cascade Heat Input (LHV) kW							
2	70	90	114	136	180	194	224	262
3	105	135	171	204	270	291	336	393
4	140	180	228	272	360	388	448	524
5	175	225	285	340	450	485	560	655
6	209	270	342	408	540	582	672	786
7	244	315	399	476	630	679	784	917
8	279	360	456	544	720	776	896	1048
9	314	405	513	612	810	873	1008	NA
10	349	450	570	680	900	970	1120	NA

☐ Solution featuring the minimum number of boilers.

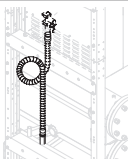
☐ Solution featuring the same output via a higher number of boilers and therefore a higher modulation ratio.

☐ Solution featuring the same output and the maximum modulation ratio.

☐ NA Not available solution.

CONDEXA PRO – CASCADE APPLICATION

2 COMPLEMENTARY ACCESSORIES

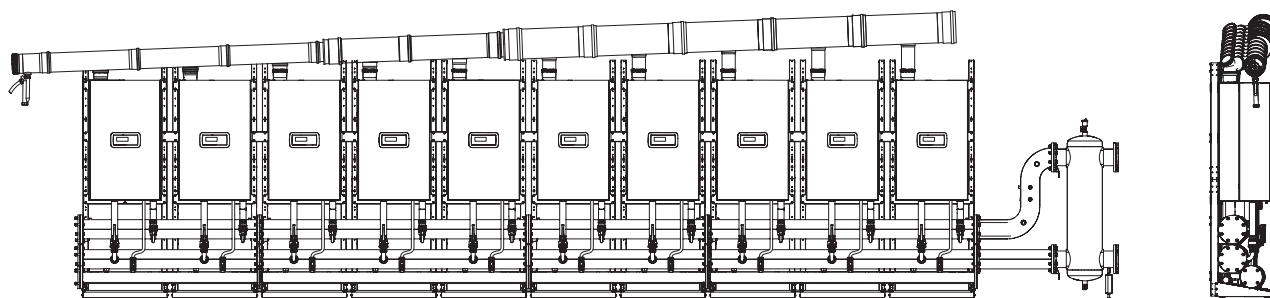
CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20132778		OUTDOOR PROBE Weather-dependent logic operation is enabled if the probe is connected to the boiler. The boiler flow temperature is calculated according to outdoor weather conditions.	(2)	
20175714		PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE NTC probe to control primary circuit flow temperature in cascade systems. The feed-back of this probe is mandatory. It is needed 1 probe for each cascade system, to connect to the managing boiler (SS). ATTENTION: The kit includes the instruction manual in EN/IT for the assembly and setting of LINEAR and BACK-TO-BACK cascade installations. The manual is available also in other languages (see below), that must be ordered separately. (NTC probe 10KΩ @ 25°C B3435 - 3 m length - Ø6,5 mm)		
20131267		CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER Polypropylene corrugated tube and hose clamp to be used as syphon for condensate drain. The pipe must be installed according the instructions in order to create the syphon effect, reducing the cost of the total cascade rig.	(3)	

(2) 1 piece for each cascade system, to connect to the managing boiler.
(3) 1 piece for each boiler of the cascade (quantity = number of boilers).

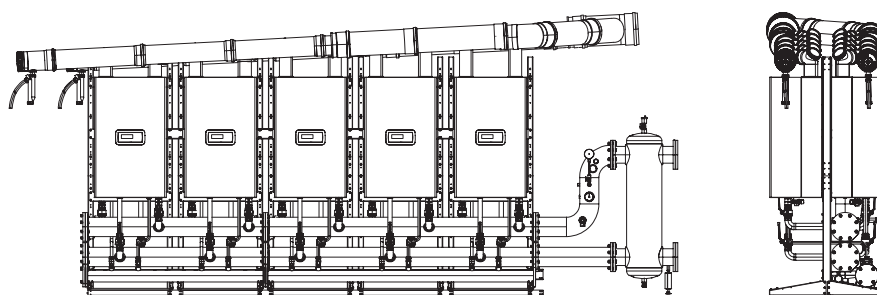
CODE	Cascade manual LANGUAGE/s	CODE	Cascade manual LANGUAGE/s
20150950	MANUAL FOR THE CONDEXA PRO CASCADE (FR - NL - DE)	20151282	MANUALS FOR THE CONDEXA PRO CASCADE (RU - UA)
20151280	MANUAL FOR THE CONDEXA PRO CASCADE (ES -PT)	20151281	MANUALS FOR THE CONDEXA PRO CASCADE (PL - HU - RO)
20151949	MANUAL FOR THE CONDEXA PRO CASCADE (SK - CZ - GR - SI - CR)		

3 CONFIGURATION SELECTION: LINEAR OR BACK-TO-BACK CASCADE

3.1 LINEAR



3.2 BACK-TO-BACK ^(A)

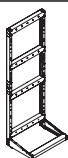


^(A) To enable the connection to a unique flue pipe, use the Y connections by choosing them in the section "Cascade application _ Flue Systems"

CONDEXA PRO – CASCADE APPLICATION

4 RIG SELECTION

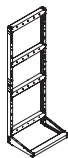
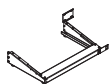
4.1 LINEAR cascade configuration

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131663		RIG FOR LINEAR CASCADE CONFIGURATION Rig for "linear" cascade configuration, allowing the installation of the gas return-flow hydraulic manifold and condensate drain kits in the lower part, by means of suitable supports. It is equipped with adjustable feet for ground fixing.		

LINEAR CASCADE

Quantity of boilers	Rig quantity code 20131663
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

4.2 BACK-TO-BACK cascade configuration

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131663		RIG FOR LINEAR CASCADE CONFIGURATION Rig for "linear" cascade configuration, allowing the installation of the gas return-flow hydraulic manifold and condensate drain kits in the lower part, by means of suitable supports. It is equipped with adjustable feet for ground fixing.		
20131664		TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION Additional kit to be matched with Rig kit for linear cascade configuration (code 20131663) in order to get a BACK-TO-BACK cascade configuration.		

BACK-TO-BACK CASCADE

Quantity of boilers	Rig quantity code 20131663	Transformation Rig kit quantity code 20131664
2	1	1
3	2	2
4	2	2
5	3	3
6	3	3
7	4	4
8	4	4
9	5	5
10	5	5

CONDEXA PRO – CASCADE APPLICATION
5 SHUNT-PUMPS OR 2-WAY VALVES

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20125034		SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115 Low-consumption shunt pump kit. The connection cable to the boiler is supplied. This shunt pump, to be fitted INSIDE the boiler, offers a high residual head (370 mbar) on Condexa Pro 90 - 100 and with these boilers it can be combined with the (optional) plate heat exchanger. If used on Condexa Pro 115, it offers a regular head (70 mbar) at $\Delta T=20^{\circ}\text{C}$ and it can be combined with the (optional) low loss header but not with the plate heat exchanger.	(4)	
20125035		HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115 Low-consumption shunt pump kit. The connection cable to the boiler is supplied. This shunt pump, to be fitted INSIDE the boiler, offers a high residual head (270 mbar at $\Delta T=20^{\circ}\text{C}$) on Condexa Pro 115. If combined with the model 135 as stand-alone configuration, this shunt pump offers a very low residual head (10 mbar) and has to be used ONLY in case of combination with SA Installation kit for stand-alone boiler (code 20142219).	(5)	
20125040		HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135 Low-consumption shunt pump kit with high residual head (570 mbar with $\Delta T=20^{\circ}\text{C}$). The connection cable to the boiler is supplied. This shunt pump cannot be fitted inside the boiler, it has to be installed under the gas boiler. See specific connection pipes for OUTSIDE pump (codes: 20131121 - 20131125 - 20131123 - 20131788 - 20131792 - 20131790).	(6)	
20125037		2-WAY VALVE KIT FOR FOR CONDEXA PRO 90 - 100 - 115 - 135 Alternative to the boiler pump in case of the use of primary loop single pump (see par. 8. PRIMARY CIRCUIT PUMPS). The valve shuts off the hydraulic circuit when the boiler is OFF. Complete with connection cable to the boiler. The valve, to be fitted INSIDE the boiler, has to be ordered for each unit of the cascade configuration (quantity = number of boilers).		

(4) To be ordered for each boiler of the cascade configuration (quantity = number of boilers).

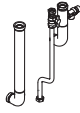
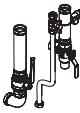
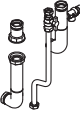
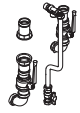
(5) On the models CONDEXA PRO 35 P - 50 P - 57 P - 70 P the shunt pump is already on board.

(6) To be ordered for each boiler of the cascade configuration (quantity = number of boilers); pump to be installed OUTSIDE the boiler.

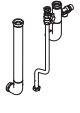
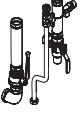
CONDEXA PRO – CASCADE APPLICATION

6 CONNECTION PIPES

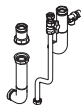
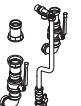
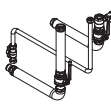
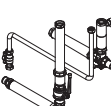
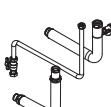
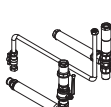
6.1 LINEAR CASCADE configuration

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20130658		CONNECTION PIPES WITHOUT BALL VALVES Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITHOUT flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump or valve installed INSIDE the boiler.		
20131124		CONNECTION PIPES WITH BALL VALVES Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump or valve installed INSIDE the boiler.		
20131122		CONNECTION PIPES INAIL COMPLIANT Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Compliant with INAIL Italian regulations. Mandatory for each boiler on the manifold side of the cascade, with pump or valve installed INSIDE the boiler. The "Connection pipes INAIL compliant" enable individual modules to be isolated in order to carry out maintenance, while the other modules can continue to operate.		
20131121		CONNECTION PIPES WITHOUT BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITHOUT flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump installed OUTSIDE the boiler.		
20131125		CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump installed OUTSIDE the boiler.		
20131123		CONNECTION PIPES INAIL COMPLIANT FOR CONDEXA PRO 135 (OUTSIDE PUMP) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Compliant with INAIL Italian regulations. Mandatory for each boiler on the manifold side of the cascade, with pump installed OUTSIDE the boiler. The "Connection pipes INAIL compliant" enable individual modules to be isolated in order to carry out maintenance, while the other modules can continue to operate.		

6.2 BACK-TO-BACK CASCADE configuration

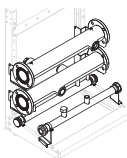
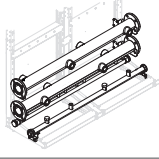
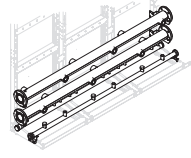
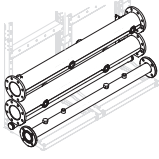
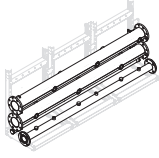
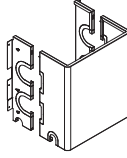
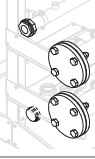
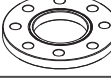
CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20130658		CONNECTION PIPES WITHOUT BALL VALVES Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITHOUT flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump or valve installed INSIDE the boiler.		
20131124		CONNECTION PIPES WITH BALL VALVES Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump or valve installed INSIDE the boiler.		
20131122		CONNECTION PIPES INAIL COMPLIANT Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Compliant with INAIL Italian regulations. Mandatory for each boiler on the manifold side of the cascade, with pump or valve installed INSIDE the boiler. The "Connection pipes INAIL compliant" enable individual modules to be isolated in order to carry out maintenance, while the other modules can continue to operate.		

CONDEXA PRO – CASCADE APPLICATION

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131121		CONNECTION PIPES WITHOUT BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITHOUT flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump installed OUTSIDE the boiler.		
20131125		CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Mandatory for each boiler on the manifold side of the cascade, with pump installed OUTSIDE the boiler.		
20131123		CONNECTION PIPES INAIL COMPLIANT FOR CONDEXA PRO 135 (OUTSIDE PUMP) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Compliant with INAIL Italian regulations. Mandatory for each boiler on the manifold side of the cascade, with pump installed OUTSIDE the boiler. The "Connection pipes INAIL compliant" enable individual modules to be isolated in order to carry out maintenance, while the other modules can continue to operate.		
20131787		CONNECTION PIPES WITHOUT BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK) Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITHOUT flow-return shut-off valves. Mandatory for each boiler located on the opposite side of the manifolds, with pump or valve installed INSIDE the boiler.		
20131791		CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK) Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Mandatory for each boiler located on the opposite side of the manifolds, with pump or valve installed INSIDE the boiler.		
20131789		CONNECTION PIPES INAIL COMPLIANT FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK) Connection pipes flow-return-gas from the main cascade manifold to the boiler. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Compliant with INAIL Italian regulations. Mandatory for each boiler located on the opposite side of the manifolds, with pump or valve installed INSIDE the boiler. The "Connection pipes INAIL compliant" enable individual modules to be isolated in order to carry out maintenance, while the other modules can continue to operate.		
20131788		CONNECTION PIPES WITHOUT BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITHOUT flow-return shut-off valves. Mandatory for each boiler located on the opposite side of the manifolds, with pump installed OUTSIDE the boiler.		
20131792		CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Mandatory for each boiler located on the opposite side of the manifolds, with pump installed OUTSIDE the boiler.		
20131790		CONNECTION PIPES INAIL COMPLIANT FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK) Connection pipes flow-return-gas from the main cascade manifold to the boiler CONDEXA PRO 135. Gas shut-off valve, non-return valve and safety valve (5,4 bar) included. WITH flow-return shut-off valves. Compliant with INAIL Italian regulations. Mandatory for each boiler located on the opposite side of the manifolds, with pump installed OUTSIDE the boiler. The "Connection pipes INAIL compliant" enable individual modules to be isolated in order to carry out maintenance, while the other modules can continue to operate.		

CONDEXA PRO – CASCADE APPLICATION

7 HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20133220		FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 1 RIG CASCADE The kit allows connecting up to 2 boilers (1+1). It is possible to match different manifold kits of this type for installations up to 270 kW total power. Also suitable for back-to-back configuration. The kit includes: 2 x 3" flanged connection insulated hydraulic manifolds (flow and return), 1 x 2" threaded connection gas manifold, 1 x condensate drain, complete set of hose collars, nuts and seals. End caps are not included in the kit and must be ordered separately with their relevant codes.		
20130220		FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW) The kit includes: 2 x 3" flanged connection insulated hydraulic manifolds (flow and return), 1 x 2" threaded connection gas manifold, 1 x condensate drain, with complete set of hose collars, nuts and seals. End caps are not included in the kit and must be ordered separately with their relevant codes.		
20130221		FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW) The kit includes: 2 x 3" flanged connection insulated hydraulic manifolds (flow and return), 1 x 2" threaded connection gas manifold, 1 x condensate drain, with complete set of hose collars, nuts and seals. End caps are not included in the kit and must be ordered separately with their relevant codes.		
20130222		FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW) The kit includes: 2 x 5" flanged connection insulated hydraulic manifolds (flow and return), 1 x 3" flanged connection gas manifold, 1 x condensate drain, with complete set of hose collars, nuts and seals. End caps are not included in the kit and must be ordered separately with their relevant codes.		
20130223		FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW) The kit includes: 2 x 5" flanged connection insulated hydraulic manifolds (flow and return), 1 x 3" flanged connection gas manifold, 1 x condensate drain, and with complete set of hose collars, nuts and seals. End caps are not included in the kit and must be ordered separately with their relevant codes.		
20132377		HYDRAULIC FLOW/RETURN MANIFOLD COVER Cover for the area under the thermal modules for LINEAR and BACK-TO-BACK cascade systems. The kit can be installed with either 3" and 5" manifolds, with additional insulation of the hydraulic group under the module.		
20070903		3" BLIND FLANGES KIT The kit includes the components for closing the manifolds on the opposite side of the system connection. It includes: 2 x 3" blind flanges for flow/return manifolds, 1 x 2" threaded cap for gas manifold, 1 x cap for condensate drain manifold, seals and fixing nuts.		
20082190		3" FLANGE KIT The kit includes: 1 x 3" flange, seal and fixing bolts.		
20070907		5" BLIND FLANGES KIT The kit includes the components for closing the manifolds on the opposite side of the system connection. It includes: 2 x 5" blind flanges for flow/return manifolds, 1 x 3" threaded cap for gas manifold, 1 x cap for condensate drain manifold, seals and fixing nuts.		
20082191		5" FLANGE KIT The kit includes: 1 x 5" flange, seal and fixing bolts.		

CONDEXA PRO – CASCADE APPLICATION

MATCHING TABLE OF MANIFOLDS DIAMETER WITH HEAT INPUT OF BOILERS IN CASCADE

Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	35	50	57	68	90	97	112	131
Quantity of boilers	Total cascade input (kW) / HYDRAULIC MANIFOLDS DIAMETER (inch)							
2	70/3"	90/3"	114/3"	136/3"	180/3"	194/3"	224/3"	262/3"
3	105/3"	135/3"	171/3"	204/3"	270/3"	291/3"	336/3"	393/3"
4	140/3"	180/3"	228/3"	272/3"	360/3"	388/3"	448/3"	524/5"
5	175/3"	225/3"	285/3"	340/3"	450/3"	485/3"	560/5"	655/5"
6	209/3"	270/3"	342/3"	408/3"	540/5"	582/5"	672/5"	786/5"
7	244/3"	315/3"	399/3"	476/3"	630/5"	679/5"	784/5"	917/5"
8	279/3"	360/3"	456/3"	544/5"	720/5"	776/5"	896/5"	1048/5"
9	314/3"	405/3"	513/5"	612/5"	810/5"	873/5"	1008/5"	NA
10	349/3"	450/3"	570/5"	680/5"	970/5"	970/5"	1120/5"	NA

MATCHING TABLE OF MANIFOLD CODES WITH QUANTITY OF BOILERS IN LINEAR CASCADE CONFIGURATION

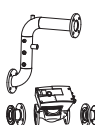
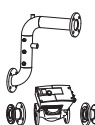
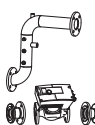
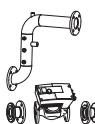
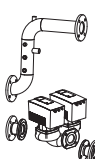
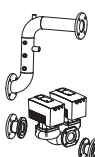
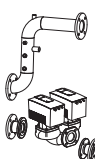
Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	35	50	57	68	90	97	112	131
Quantity of boilers	SELECTION OF HYDRAULIC MANIFOLDS CODES FOR LINEAR CASCADE CONFIGURATIONS							
2	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220
3	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221
4	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130222
5	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223
6	2 × 20130221	2 × 20130221	2 × 20130221	2 × 20130221	2 × 20130223	2 × 20130223	2 × 20130223	2 × 20130223
7	2 × 20130220 1 × 20130221	2 × 20130220 1 × 20130221	2 × 20130220 1 × 20130221	2 × 20130220 1 × 20130221	2 × 20130222 1 × 20130223	2 × 20130222 1 × 20130223	2 × 20130222 1 × 20130223	2 × 20130222 1 × 20130223
8	1 × 20130220 2 × 20130221	1 × 20130220 2 × 20130221	1 × 20130220 2 × 20130221	1 × 20130222 2 × 20130223	1 × 20130222 2 × 20130223	1 × 20130222 2 × 20130223	1 × 20130222 2 × 20130223	1 × 20130222 2 × 20130223
9	3 × 20130221	3 × 20130221	3 × 20130223	3 × 20130223	3 × 20130223	3 × 20130223	3 × 20130223	NA
10	2 × 20130220 2 × 20130221	2 × 20130222 2 × 20130221	2 × 20130222 2 × 20130223	2 × 20130222 2 × 20130223	2 × 20130222 2 × 20130223	2 × 20130222 2 × 20130223	2 × 20130222 2 × 20130223	NA

MATCHING TABLE OF MANIFOLD CODES WITH QUANTITY OF BOILERS IN BACK-TO-BACK CASCADE CONFIGURATION

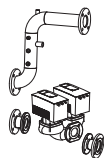
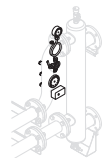
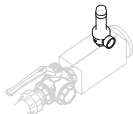
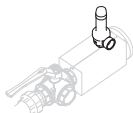
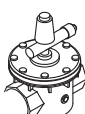
Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	35	50	57	68	90	97	112	131
Quantity of boilers	SELECTION OF HYDRAULIC MANIFOLDS CODES FOR BACK-TO-BACK CASCADE CONFIGURATIONS							
2	1 × 20133220	1 × 20133220	1 × 20133220	1 × 20133220	1 × 20133220	1 × 20133220	1 × 20133220	1 × 20133220
3	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220
4	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130220	1 × 20130222
5	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130223	1 × 20130223
6	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130221	1 × 20130223	1 × 20130223	1 × 20130223	1 × 20130223
7	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130222	2 × 20130222	2 × 20130222	2 × 20130222
8	2 × 20130220	2 × 20130220	2 × 20130220	2 × 20130222	2 × 20130222	2 × 20130222	2 × 20130222	2 × 20130222
9	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	NA
10	1 × 20130220 1 × 20130221	1 × 20130220 1 × 20130221	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	1 × 20130222 1 × 20130223	NA

CONDEXA PRO – CASCADE APPLICATION

8 PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20070910		3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT Set of 3" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 80). Threaded fittings/Gaskets to cap the (4 x G1/2x17-F, 2 x G3/8x26-F, 1 x G1/2x35-F, 1 x G1x15-M) connections are not provided, in case they are not used by other devices.		
20070912		5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT Set of 5" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 125). Threaded fittings/Gaskets to cap the (5 x G1/2x17-F, 1 x G3/8x26-F, 4 x G1x43-F) connections are not provided, in case they are not used by other devices.		
20132873		SHUNT PUMP KIT FOR PRIMARY LOOP UP TO 270 KW Circulation pump kit for primary circuit for cascade systems up to 270 kW. The kit includes: flow manifold and single-head primary circuit circulator WILO STRATOS 65/1-9 230V. Set of 3" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 80). Threaded fittings/Gaskets to cap the (4 x G1/2x17-F, 2 x G3/8x26-F, 1 x G1/2x35-F, 1 x G1x15-M) connections are not provided, in case they are not used by other devices.		
20070699		SHUNT PUMP KIT FOR PRIMARY LOOP UP TO 485 KW Circulation pump kit for primary circuit for cascade systems up to 485 kW. The kit includes: flow manifold and single-head primary circuit circulator Vega RMDA 65-90. Set of 3" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 80). Threaded fittings/Gaskets to cap the (4 x G1/2x17-F, 2 x G3/8x26-F, 1 x G1/2x35-F, 1 x G1x15-M) connections are not provided, in case they are not used by other devices.		
20070701		SHUNT PUMP KIT FOR PRIMARY LOOP UP TO 580 KW Circulation pump kit for primary circuit for cascade systems up to 580 kW. The kit includes: flow manifold and single-head primary circuit circulator Vega RMDA 65-90. Set of 5" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 125). Threaded fittings/Gaskets to cap the (5 x G1/2x17-F, 1 x G3/8x26-F, 4 x G1x43-F) connections are not provided, in case they are not used by other devices.		
20070702		SHUNT PUMP KIT FOR PRIMARY LOOP UP TO 1120 KW Circulation pump kit for primary circuit for cascade systems up to 1120 kW. The kit includes: flow manifold and single-head primary circuit circulator Vega RMDA 80-90. Set of 5" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 125). Threaded fittings/Gaskets to cap the (5 x G1/2x17-F, 1 x G3/8x26-F, 4 x G1x43-F) connections are not provided, in case they are not used by other devices.		
20132874		TWIN HEAD PUMP KIT FOR PRIMARY LOOP UP TO 270 KW Circulation pump kit for primary circuit for cascade systems up to 270 kW. The kit includes: flow manifold and twin-head primary circuit circulator WILO STRATOS 65/1-12 230V. Set of 3" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 80). Threaded fittings/Gaskets to cap the (4 x G1/2x17-F, 2 x G3/8x26-F, 1 x G1/2x35-F, 1 x G1x15-M) connections are not provided, in case they are not used by other devices.		
20070703		TWIN HEAD PUMP KIT FOR PRIMARY LOOP UP TO 485 KW Circulation pump kit for primary circuit for cascade systems up to 485 kW. The kit includes: flow manifold and twin-head primary circuit circulator Vega RGDA 65-90. Set of 3" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 80). Threaded fittings/Gaskets to cap the (4 x G1/2x17-F, 2 x G3/8x26-F, 1 x G1/2x35-F, 1 x G1x15-M) connections are not provided, in case they are not used by other devices.		
20070704		TWIN HEAD PUMP KIT FOR PRIMARY LOOP UP TO 580 KW Circulation pump kit for primary circuit for cascade systems up to 580 kW. The kit includes: flow manifold and twin-head primary circuit circulator Vega RGDA 65-90. Set of 5" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 125). Threaded fittings/Gaskets to cap the (5 x G1/2x17-F, 1 x G3/8x26-F, 4 x G1x43-F) connections are not provided, in case they are not used by other devices.		

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CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20070705		TWIN HEAD PUMP KIT FOR PRIMARY LOOP UP TO 1120 KW Circulation pump kit for primary circuit for cascade systems up to 1120 kW. The kit includes: flow manifold and twin-head primary circuit circulator VegA RGDA 80-90. Set of 5" flow and return pipes for connection to the low loss header or plate heat exchanger (DN 125). Threaded fittings/Gaskets to cap the (5 x G1/2x17-F, 1 x G3/8x26-F, 4 x G1x43-F) connections are not provided, in case they are not used by other devices.		
20071190		INAIL DEVICES FOR CASCADE MANIFOLD Set of safety devices according to INAIL regulations. The kit includes: thermometer, pressure gauge and safety pressure switch. Note: it does not include safety valve, gas shut-off valve, which must be ordered separately according to the system maximum power.		
20023104		WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F) Ø 3/4" G safety valve, INAIL approved. Calibration pressure: 5.4 bar. Maximum drain capacity: 460 kW.		
20023106		WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1"F) Ø 1" G safety valve, INAIL approved. Calibration pressure: 5.4 bar. Maximum drain capacity: 580 kW.		
20009486		GAS SAFETY CUT-OFF VALVE – Ø G.1" – T=97°C – CAPILLARY TUBE L = 5 m 1" gas safety shut-off valve, positive action with manual resetting. Liquid expansion thermostat. 97 °C (±3 °C) activation temperature, capillary length 5 m, 1/2"M sensor sheath connection (with 1/2"F x 3/4"M nipple). Limitations of use: 131 kW with gas intake pressure = 20 mbar. Compliance with Italian INAIL Regulations. PED 97/23/EEC, ATEX 94/9/EEC certified.		
20009482		GAS SAFETY CUT-OFF VALVE – Ø G.1 1/2" – T= 97°C – CAPILLARY TUBE L = 5 m 1 1/2 gas safety shut-off valve, positive action with manual resetting. Liquid expansion thermostat. 97 °C (±3 °C) activation temperature, capillary length 5 m, 1/2"M sensor sheath connection (with 1/2"F x 3/4"M nipple). Limitations of use: 230 kW with gas intake pressure = 20 mbar. Compliance with Italian INAIL Regulations. PED 97/23/EEC, ATEX 94/9/EEC certified.		
20009483		GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 m 2" gas safety shut-off valve, positive action with manual resetting. Liquid expansion thermostat. 97 °C (±3 °C) activation temperature, capillary length 5 m, 1/2"M sensor sheath connection (with 1/2"F x 3/4"M nipple). Limitations of use: 580 kW with gas intake pressure = 20 mbar. Compliance with Italian INAIL Regulations. PED 97/23/EEC, ATEX 94/9/EEC certified.		
20061640		GAS SAFETY CUT-OFF VALVE – Ø G.3" – T= 97°C – CAPILLARY TUBE L = 5 m 3" gas safety shut-off valve, positive action with manual resetting. Liquid expansion thermostat. 97 °C (±3 °C) activation temperature, Capillary length 5 m, 1/2"M sensor sheath connection (with 1/2"F x 3/4"M nipple). Limitations of use: 1150 kW with gas intake pressure = 20 mbar. Compliance with Italian INAIL Regulations. PED 97/23/EEC, ATEX 94/9/EEC certified.		

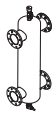
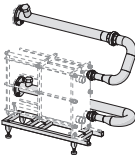
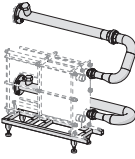
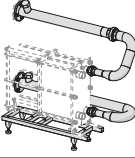
NOTE: The maximum power allowance of the safety cut-off valve is determined by assuming a dynamic gas (working) pressure of 20 mbar is available.

Selection table of safety valves:

Total cascade heat input Hi (kW)	0 ÷ 460	461 ÷ 580	581 ÷ 920	921 ÷ 1160
q.ty x safety valve diameter	1 x 3/4"	1 x 1"	2 x 3/4"	2 x 1"
q.ty x code	1 x code 20023104	1 x code 20023106	2 x code 20023104	2 x code 20023106

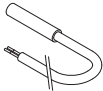
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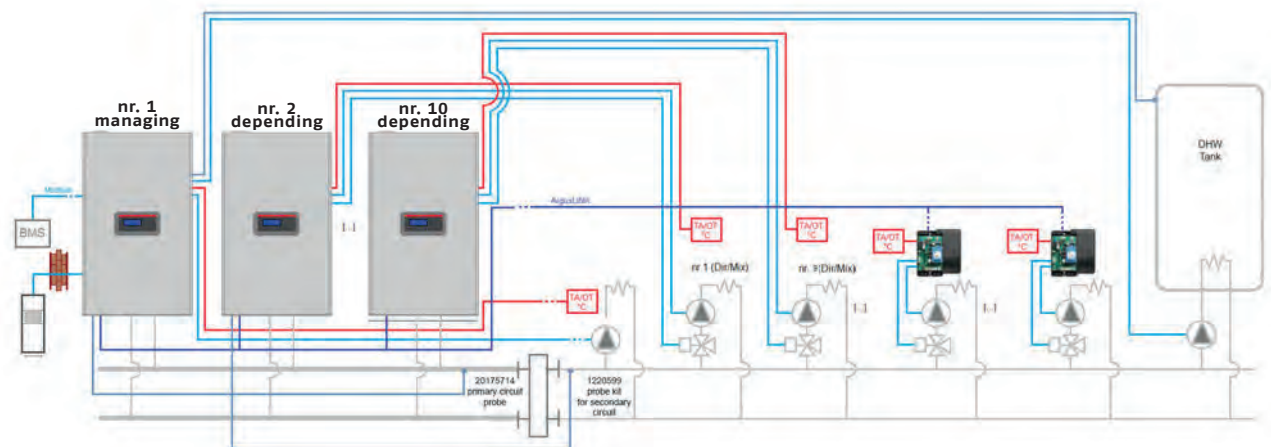
9 HYDRAULIC SEPARATOR OR PLATE HEAT-EXCHANGER(*)

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20009467		5" LOW LOSS HEADER – UP TO 485 KW 5" low loss header kit for up to 485 kW of output power with 3"/DN80 flanged connections. The kit allows flow compensation between primary and secondary circuit, thus assuring correct flow rate in the boiler heat exchanger. The low loss header is necessary for the installations where "zero" flow rate condition may occur.		
20069073		10" LOW LOSS HEADER – OVER 485 KW AND UP TO 580 KW 10" low loss header kit for over 485 kW and up to 580 kW of output power with 5"/DN125 flanged connections. The kit allows flow compensation between primary and secondary circuit, thus assuring correct flow rate in the boiler heat exchanger. The low loss header is necessary for the installations where "zero" flow rate condition may occur.		
20069074		10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW 10" low loss header kit for over 580 kW and up to 1120 kW of output power with 5"/DN125 flanged connections. The kit allows flow compensation between primary and secondary circuit, thus assuring correct flow rate in the boiler heat exchanger. The low loss header is necessary for the installations where "zero" flow rate condition may occur.		
20132373		CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE) The kit includes: flow/return connection pipes to the 3" hydraulic manifold and support frame for plate heat exchanger. For the size selection of the plate heat exchanger please refer to dedicated paragraph and pre-sales service support.		
20132375		CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE) The kit includes: flow/return connection pipes to the 5" hydraulic manifold and support frame for plate heat exchanger. For the size selection of the plate heat exchanger please refer to dedicated paragraph and pre-sales service support.		
20132376		CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN100 PLATE HEAT-EXCHANGER SIDE) The kit includes: flow/return connection pipes to the 5" hydraulic manifold and support frame for plate heat exchanger. For the size selection of the plate heat exchanger please refer to dedicated paragraph and pre-sales service support.		

(*) For the selection of Plate Heat Exchangers please refer to the dedicated paragraph in this section (pages 64–67).

10 SECONDARY CIRCUIT MANAGEMENT (CENTRAL HEATING AND DHW PREPARATION)

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
1220599		PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK The probe can be used for the following functions: - DHW tank management (SB) - secondary loop temperature alignment, if primary loop is managed (SC) - management of additional mixed zones when managed by depending boiler (S2...) (NTC probe 10KΩ @ 25°C B3435 – 3 m length – Ø6,5 mm).		
20130811		ZONE KIT TO MANAGE DIRECT OR MIXED ADDITIONAL ZONES (UP TO 16) Electronic kit to manage an additional heating zone, whether direct or mixed. The device can be mounted on a DIN rail. Electronic module is connected to the boiler board via BUS protocol. The controlled zone is managed with a dedicated climatic temperature curve. Kit necessary when the number of the heating zones, direct or mixed, is higher than the number of the dependent boilers. It includes the probe (code 1220599) necessary for the mixed zones. Outputs: 3-point mix or STEP valve; circulation pump. Inputs: water temperature sensor and room temperature sensor in ON/OFF or OTBus (BeSMART control recommended according to the features illustrated in this guide).		

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11 TREATMENT SYSTEMS FOR CONDENSATE NEUTRALIZATION

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
4031811		CONDENSATE NEUTRALIZER HN2 KIT (WITH PUMP) – UP TO 270 KW Supplied with condensate extraction pump. The systems allows increasing pH value of the condensate from condensing boiler flue gases to values included between 6.5 and 9, so that they can be disposed of in the sewerage. The kit is suitable for all those installations equipped with plant room condensate drain higher than the boiler condensate drain. The pump is controlled by an electrical contact. Electrical connections with protection degree IP54.		
4031810		CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW The systems allows increasing pH value of the condensate from condensing boiler flue gases to values included between 6.5 and 9, so that they can be disposed of in the sewerage. The kit is designed for all those installations equipped with plant room condensate drain lower than the boiler condensate drain, therefore already inclined downwards. Therefore neither pump nor relevant electrical connections are required.		
4031812		CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW The systems allows increasing pH value of the condensate from condensing boiler flue gases to values included between 6.5 and 9, so that they can be disposed of in the sewerage. The kit is designed for all those installations equipped with plant room condensate drain lower than the boiler condensate drain, therefore already inclined downwards. Therefore neither pump nor relevant electrical connections are required.		
4031813		CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW Supplied with condensate extraction pump. The systems allows increasing pH value of the condensate from condensing boiler flue gases to values included between 6.5 and 9, so that they can be disposed of in the sewerage. The kit is suitable for all those installations equipped with plant room condensate drain higher than the boiler condensate drain. The pump is controlled by an electrical contact. Electrical connections with protection degree IP54.		

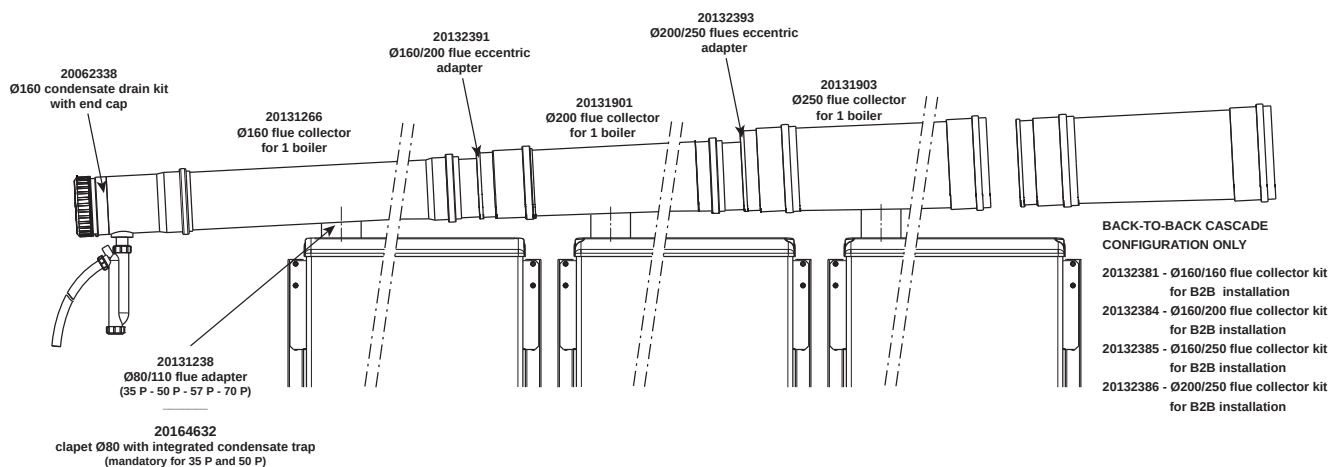
CONDEXA PRO – CASCADE APPLICATION

12 ROOM-SEALED TRANSFORMATION KIT

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131665		ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P Kit for room-sealed transformation. The kit includes Ø80 mm joint for combustion air intake, extension pipe to boiler fan and a silicone tube for pressure detection in the air duct.		
20131668		ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135 Kit for room-sealed transformation. The kit includes Ø110 mm joint for combustion air intake, extension pipe to boiler fan and a silicone tube for pressure detection in the air duct.		

CONDEXA PRO – CASCADE APPLICATION

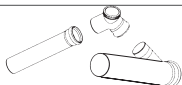
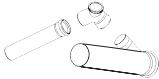
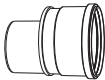
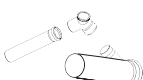
13 FLUE SYSTEMS



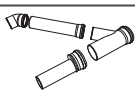
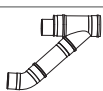
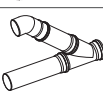
FOR THE MODELS CONDEXA PRO 35 P – 50 P – 57 P – 70 P

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20131238		FLUE ADAPTER FROM Ø80 TO Ø110		
20164632		CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP Mandatory for CONDEXA PRO 35 P and 50 P		

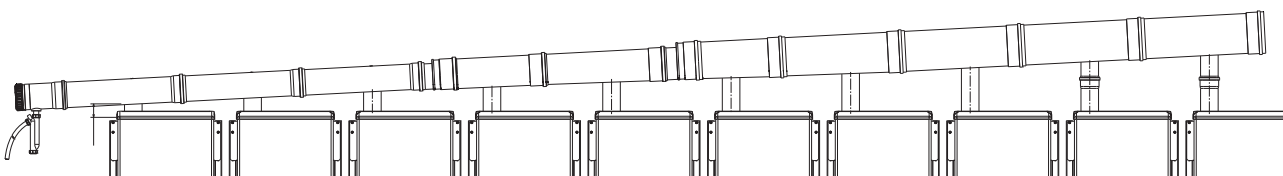
Ø160/200/250 FLUE COLLECTORS FOR ALL CONDEXA PRO MODELS

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062338		Ø160 CONDENSATE DRAIN KIT WITH END CAP		
20131266		Ø160 FLUE COLLECTOR FOR 1 BOILER		
20132391		FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		
20131901		Ø200 FLUE COLLECTOR FOR 1 BOILER		
20132393		FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		
20131903		Ø250 FLUE COLLECTOR FOR 1 BOILER		
20132381		FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		
20132384		FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		

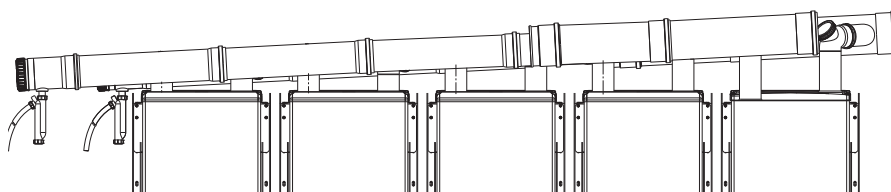
CONDEXA PRO – CASCADE APPLICATION

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20132385		FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø250		
20132386		FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		
20132389		FLUE COLLECTOR KIT FOR BACK-TO BACK INSTALLATION FROM Ø225 TO Ø250		

LINEAR CASCADE configuration – max 10 boilers



BACK-TO-BACK configuration – max 5 + 5 boilers



Note: On BACK-TO-BACK cascades, each row of boilers requires its own flue header.

MATCHING TABLE OF FLUE COLLECTOR DIAMETER WITH QUANTITY OF BOILERS ON A SINGLE COLLECTOR

Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	35	50	57	68	90	97	112	131
Quantity of boilers	FLUE / AIR COLLECTOR DIAMETER							
1	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160
2	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160
3	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160
4	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø160	Ø200
5	Ø160	Ø160	Ø160	Ø160	Ø200	Ø200	Ø200	Ø200
6	Ø160	Ø160	Ø160	Ø160	Ø200	Ø200	Ø200	Ø250
7	Ø160	Ø160	Ø160	Ø200	Ø200	Ø200	Ø250	Ø250
8	Ø160	Ø160	Ø200	Ø200	Ø250	Ø250	Ø250	Ø250
9	Ø160	Ø160	Ø200	Ø200	Ø250	Ø250	Ø250	NA
10	Ø160	Ø200	Ø200	Ø200	Ø250	Ø250	Ø250	NA

CONDEXA PRO – CASCADE APPLICATION

MATCHING TABLE OF FLUE COLLECTOR CODES WITH QUANTITY OF BOILERS IN LINEAR CASCADE CONFIGURATION

Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	35	50	57	68	90	97	112	131
Quantity of boilers	FLUE COLLECTOR CODES FOR LINEAR CASCADE CONFIGURATION							
2	2 x 20164632 2 x 20131238 1 x 20062338 2 x 20131266	2 x 20164632 2 x 20131238 1 x 20062338 2 x 20131266	2 x 20131238 1 x 20062338 2 x 20131266	2 x 20131238 1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266	1 x 20062338 2 x 20131266
3	3 x 20164632 3 x 20131238 1 x 20062338 3 x 20131266	3 x 20164632 3 x 20131238 1 x 20062338 3 x 20131266	3 x 20131238 1 x 20062338 3 x 20131266	3 x 20131238 1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266	1 x 20062338 3 x 20131266
4	4 x 20164632 4 x 20131238 1 x 20062338 4 x 20131266	4 x 20164632 4 x 20131238 1 x 20062338 4 x 20131266	4 x 20131238 1 x 20062338 4 x 20131266	4 x 20131238 1 x 20062338 4 x 20131266	1 x 20062338 4 x 20131266	1 x 20062338 4 x 20131266	1 x 20062338 4 x 20131266	1 x 20062338 3 x 20131266 1 x 20132391 1 x 20131901
5	5 x 20164632 5 x 20131238 1 x 20062338 5 x 20131266	5 x 20164632 5 x 20131238 1 x 20062338 5 x 20131266	5 x 20131238 1 x 20062338 5 x 20131266	5 x 20131238 1 x 20062338 5 x 20131266	1 x 20062338 4 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901
6	6 x 20164632 6 x 20131238 1 x 20062338 6 x 20131266	6 x 20164632 6 x 20131238 1 x 20062338 6 x 20131266	6 x 20131238 1 x 20062338 6 x 20131266	6 x 20131238 1 x 20062338 6 x 20131266	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 1 x 20131903
7	7 x 20164632 7 x 20131238 1 x 20062338 7 x 20131266	7 x 20164632 7 x 20131238 1 x 20062338 7 x 20131266	7 x 20131238 1 x 20062338 7 x 20131266	7 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 1 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 1 x 20131903	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 2 x 20131903
8	8 x 20164632 8 x 20131238 1 x 20062338 8 x 20131266	8 x 20164632 8 x 20131238 1 x 20062338 8 x 20131266	8 x 20131238 1 x 20062338 7 x 20131266 1 x 20132391 1 x 20131901	8 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 2 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 1 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 1 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 2 x 20131903	1 x 20062338 3 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 3 x 20131903
9	9 x 20164632 9 x 20131238 1 x 20062338 9 x 20131266	9 x 20164632 9 x 20131238 1 x 20062338 9 x 20131266	9 x 20131238 1 x 20062338 7 x 20131266 1 x 20132391 2 x 20131901	9 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 3 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 2 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 2 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 3 x 20131903	NA
10	10 x 20164632 10 x 20131238 1 x 20062338 10 x 20131266	10 x 20164632 10 x 20131238 1 x 20062338 8 x 20131266 1 x 20132391 1 x 20131901	10 x 20131238 1 x 20062338 7 x 20131266 1 x 20132391 3 x 20131901	10 x 20131238 1 x 20062338 6 x 20131266 1 x 20132391 4 x 20131901	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 3 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 3 x 20131901 1 x 20132393 3 x 20131903	1 x 20062338 4 x 20131266 1 x 20132391 2 x 20131901 1 x 20132393 4 x 20131903	NA

Note: in case of room-sealed combustion (type C) the quantities shown in the table must be doubled.

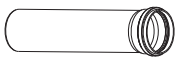
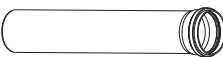
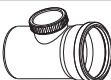
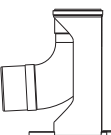
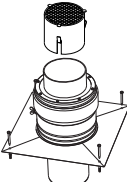
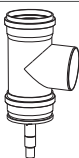
CONDEXA PRO – CASCADE APPLICATION

MATCHING TABLE OF FLUE COLLECTOR CODES WITH QUANTITY OF BOILERS IN BACK-TO-BACK CASCADE CONFIGURATION

Model	CONDEXA PRO 35 P	CONDEXA PRO 50 P	CONDEXA PRO 57 P	CONDEXA PRO 70 P	CONDEXA PRO 90	CONDEXA PRO 100	CONDEXA PRO 115	CONDEXA PRO 135
Boiler Heat INPUT (LHV) kW	35	50	57	68	90	97	112	131
Quantity of boilers	FLUE COLLECTOR CODES FOR BACK-TO-BACK CASCADE CONFIGURATION							
2	2 x 20164632 2 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	2 x 20164632 2 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	2 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	2 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381	2 x 20062338 2 x 20131266 1 x 20132381
3	3 x 20164632 3 x 20131238 2 x 20062338 3 x 20131266 1 x 20132381	3 x 20164632 3 x 20131238 2 x 20062338 3 x 20131266 1 x 20132381	3 x 20131238 2 x 20062338 3 x 20131266 1 x 20132381	3 x 20131238 2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381	2 x 20062338 3 x 20131266 1 x 20132381
4	4 x 20164632 4 x 20131238 2 x 20062338 4 x 20131266 1 x 20132381	4 x 20164632 4 x 20131238 2 x 20062338 4 x 20131266 1 x 20132381	4 x 20131238 2 x 20062338 4 x 20131266 1 x 20132381	4 x 20131238 2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132381	2 x 20062338 4 x 20131266 1 x 20132384
5	5 x 20164632 5 x 20131238 2 x 20062338 5 x 20131266 1 x 20132381	5 x 20164632 5 x 20131238 2 x 20062338 5 x 20131266 1 x 20132381	5 x 20131238 2 x 20062338 5 x 20131266 1 x 20132381	5 x 20131238 2 x 20062338 5 x 20131266 1 x 20132381	2 x 20062338 5 x 20131266 1 x 20132384	2 x 20062338 5 x 20131266 1 x 20132384	2 x 20062338 5 x 20131266 1 x 20132384	2 x 20062338 5 x 20131266 1 x 20132384
6	6 x 20164632 6 x 20131238 2 x 20062338 6 x 20131266 1 x 20132381	6 x 20164632 6 x 20131238 2 x 20062338 6 x 20131266 1 x 20132381	6 x 20131238 2 x 20062338 6 x 20131266 1 x 20132381	6 x 20131238 2 x 20062338 6 x 20131266 1 x 20132381	2 x 20062338 6 x 20131266 1 x 20132384	2 x 20062338 6 x 20131266 1 x 20132384	2 x 20062338 6 x 20131266 1 x 20132384	2 x 20062338 6 x 20131266 1 x 20132385
7	7 x 20164632 7 x 20131238 2 x 20062338 7 x 20131266 1 x 20132381	7 x 20164632 7 x 20131238 2 x 20062338 7 x 20131266 1 x 20132381	7 x 20131238 2 x 20062338 7 x 20131266 1 x 20132381	7 x 20131238 2 x 20062338 7 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 1 x 20132385	2 x 20062338 5 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386
8	8 x 20164632 8 x 20131238 2 x 20062338 8 x 20131266 1 x 20132381	8 x 20164632 8 x 20131238 2 x 20062338 8 x 20131266 1 x 20132381	8 x 20131238 2 x 20062338 8 x 20131266 1 x 20132384	8 x 20131238 2 x 20062338 8 x 20131266 1 x 20132384	2 x 20062338 8 x 20131266 1 x 20132385	2 x 20062338 8 x 20131266 1 x 20132385	2 x 20062338 8 x 20131266 1 x 20132385	2 x 20062338 6 x 20131266 2 x 20132391 2 x 20131901 1 x 20132386
9	9 x 20164632 9 x 20131238 2 x 20062338 9 x 20131266 1 x 20132381	9 x 20164632 9 x 20131238 2 x 20062338 9 x 20131266 1 x 20132381	9 x 20131238 2 x 20062338 9 x 20131266 1 x 20132384	9 x 20131238 2 x 20062338 9 x 20131266 1 x 20132384	2 x 20062338 7 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	2 x 20062338 7 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	2 x 20062338 7 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	NA
10	10 x 20164632 10 x 20131238 2 x 20062338 2 x 20131266 1 x 20132381	10 x 20164632 10 x 20131238 2 x 20062338 2 x 20131266 1 x 20132384	10 x 20131238 2 x 20062338 10 x 20131266 1 x 20132384	10 x 20131238 2 x 20062338 10 x 20131266 1 x 20132384	2 x 20062338 8 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	2 x 20062338 8 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	2 x 20062338 8 x 20131266 2 x 20131901 2 x 20132391 1 x 20132386	NA

Note: in case of room-sealed combustion (type C) the quantities shown in the table must be doubled.

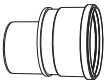
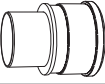
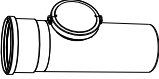
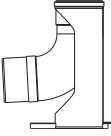
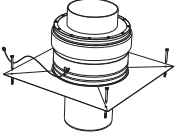
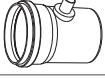
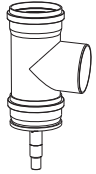
CONDEXA PRO – CASCADE APPLICATION
14 FLUE SYSTEMS FOR CHIMNEYS
Ø160 SINGLE WALL IN PPTL^(*) FOR INDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062445		Ø160, 30° BEND		
20032646		Ø160, 45° BEND		
20032644		Ø160, 90° BEND		
20062446		Ø160, 90° BEND WITH INSPECTION		
20060940		Ø160, EXTENSION, L=500 mm		
20060941		Ø160, EXTENSION, L=1000 mm		
20060942		Ø160, EXTENSION, L=2000 mm		
20060945		Ø160, EXTENSION WITH INSPECTION, L=214 mm		
20062703		Ø160, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT		
20060953		Ø160, VERTICAL TERMINAL WITH CHIMNEY COVER IN STAINLESS STEEL		
20062447		Ø160, HORIZONTAL EXTENSION WITH CONDENSATE DRAIN L=150 mm		
20063419		Ø160, T CONNECTION CHIMNEY ENTRANCE AND CHIMNEY SUPPORT WITH CONDENSATE DRAIN		
20062448		Ø160, T CONNECTION CHWIMNEY ENTRANCE WITH CONDENSATE DRAIN		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

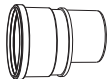
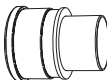
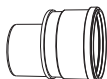
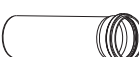
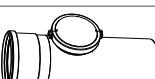
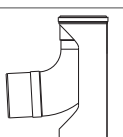
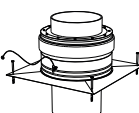
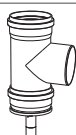
CONDEXA PRO – CASCADE APPLICATION

Ø200 SINGLE WALL IN PPTL(*) FOR INDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062566		ADAPTER FROM Ø160 TO Ø200 - ECCENTRIC		
20062567		ADAPTER FROM Ø160 TO Ø200		
20062539		Ø200, 30° BEND		
20062542		Ø200, 45° BEND		
20062543		Ø200, 90° BEND		
20062545		Ø200, 90° BEND WITH INSPECTION		
20062527		Ø200, EXTENSION, L=500 mm		
20062530		Ø200, EXTENSION, L=1000 mm		
20062532		Ø200, EXTENSION, L=2000 mm		
20062534		Ø200, EXTENSION WITH INSPECTION, L=500 mm		
20062548		Ø200, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT		
20062547		Ø200, VERTICAL TERMINAL WITH CHIMNEY COVER IN STAINLESS STEEL		
20062537		Ø200, HORIZONTAL EXTENSION WITH CONDENSATE DRAIN L=250 mm		
20063420		Ø200, T CONNECTION CHIMNEY ENTRANCE AND CHIMNEY SUPPORT WITH CONDENSATE DRAIN		
20062550		Ø200, T CONNECTION CHIMNEY ENTRANCE WITH CONDENSATE DRAIN		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

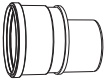
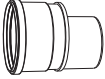
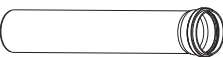
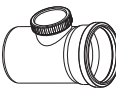
CONDEXA PRO – CASCADE APPLICATION
Ø250 SINGLE WALL IN PPTL^(*) FOR INDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062606		ADAPTER FROM Ø250 TO Ø160 - ECCENTRIC		
20062607		ADAPTER FROM Ø250 TO Ø200		
20132393		ADAPTER FROM Ø200 TO Ø250 - ECCENTRIC		
20062593		Ø250, 30° BEND		
20062594		Ø250, 45° BEND		
20062595		Ø250, 90° BEND		
20062598		Ø250, 90° BEND WITH INSPECTION		
20062576		Ø250, EXTENSION, L=500 mm		
20062577		Ø250, EXTENSION, L=1000 mm		
20062578		Ø250, EXTENSION, L=2000 mm		
20062591		Ø250, EXTENSION WITH INSPECTION, L=500 mm		
20062600		Ø250, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT		
20062599		Ø250, VERTICAL TERMINAL WITH CHIMNEY COVER IN STAINLESS STEEL		
20062592		Ø250, HORIZONTAL EXTENSION WITH CONDENSATE DRAIN L=250 mm		
20063421		Ø250, T CONNECTION CHIMNEY ENTRANCE AND CHIMNEY SUPPORT WITH CONDENSATE DRAIN		
20062601		Ø250, T CONNECTION CHIMNEY ENTRANCE WITH CONDENSATE DRAIN		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

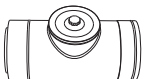
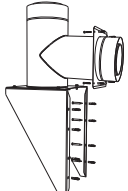
CONDEXA PRO – CASCADE APPLICATION

Ø300 SINGLE WALL IN PPTL^(*) FOR INDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20158581		ADAPTER FROM Ø300 MM TO Ø160 - ECCENTRIC		
20158580		ADAPTER FROM Ø300 MM TO Ø250 - ECCENTRIC		
20145293		Ø300, 45° BEND		
20145294		Ø300, 90° BEND		
20158567		Ø300, 90° BEND WITH INSPECTION		
20145292		Ø300, EXTENSION, L=500 mm		
20145295		Ø300, EXTENSION, L=1000 mm		
20145296		Ø300, EXTENSION, L=2000 mm		
20145290		Ø300, EXTENSION WITH INSPECTION, L=500 mm		
20158569		Ø300, CHIMNEY SUPPORT		
20158566		Ø300, VERTICAL EXTENSION WITH CONDENSATE DRAIN L=245 mm		
20158572		Ø300, T CONNECTION CHIMNEY ENTRANCE AND CHIMNEY SUPPORT WITH CONDENSATE DRAIN		
20158571		Ø300, T CONNECTION CHIMNEY ENTRANCE WITH CONDENSATE DRAIN		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

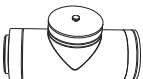
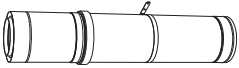
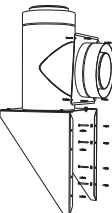
CONDEXA PRO – CASCADE APPLICATION
Ø160 AIR DOUBLE WALL IN PPTL(*) , EXTERNALLY COATED IN STAINLESS STEEL Ø225 FOR OUTDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062658		Ø160, 30° BEND – EXTERNAL Ø225		
20062659		Ø160, 45° BEND – EXTERNAL Ø225		
20062660		Ø160, 90° BEND – EXTERNAL Ø225		
20062655		Ø160, EXTENSION, L=500 mm – EXTERNAL Ø225		
20062656		Ø160, EXTENSION, L=1000 mm – EXTERNAL Ø225		
20062657		Ø160, EXTENSION WITH INSPECTION, L=400 mm – EXTERNAL Ø225		
20062662		Ø160, VERTICAL TERMINAL PIPE, L=1000 mm – EXTERNAL Ø225		
20062663		Ø160, VERTICAL TERMINAL CAP – EXTERNAL Ø225		
20062661		Ø160, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT FOR EXTERNAL INSTALLATION – EXTERNAL Ø225		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

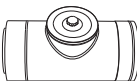
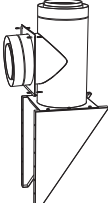
CONDEXA PRO – CASCADE APPLICATION

Ø200 AIR DOUBLE WALL IN PPTL(*), EXTERNALLY COATED IN STAINLESS STEEL Ø300 FOR OUTDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062669		Ø200, 30° BEND – EXTERNAL Ø300		
20062670		Ø200, 45° BEND – EXTERNAL Ø300		
20062671		Ø200, 90° BEND – EXTERNAL Ø300		
20062666		Ø200, EXTENSION, L=500 mm – EXTERNAL Ø300		
20062667		Ø200, EXTENSION, L=1000 mm – EXTERNAL Ø300		
20062668		Ø200, EXTENSION WITH INSPECTION, L=660 mm – EXTERNAL Ø300		
20062673		Ø200, VERTICAL TERMINAL PIPE, L=1000 mm – EXTERNAL Ø300		
20062674		Ø200, VERTICAL TERMINAL CAP – EXTERNAL Ø300		
20062672		Ø200, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT FOR EXTERNAL INSTALLATION – EXTERNAL Ø300		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

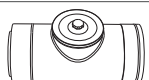
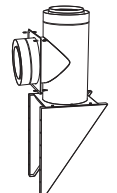
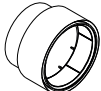
CONDEXA PRO – CASCADE APPLICATION
Ø250 AIR DOUBLE WALL IN PPTL(*), EXTERNALLY COATED IN STAINLESS STEEL Ø350 FOR OUTDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062689		Ø250, 45° BEND – EXTERNAL Ø350		
20062676		Ø250, EXTENSION, L=500 mm – EXTERNAL Ø350		
20062677		Ø250, EXTENSION, L=1000 mm – EXTERNAL Ø350		
20062688		Ø250, EXTENSION WITH INSPECTION, L=660 mm – EXTERNAL Ø350		
20062691		Ø250, VERTICAL TERMINAL PIPE, L=1000 mm – EXTERNAL Ø350		
20062692		Ø250, VERTICAL TERMINAL CAP – EXTERNAL Ø350		
20062690		Ø250, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT FOR EXTERNAL INSTALLATION – EXTERNAL Ø350		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

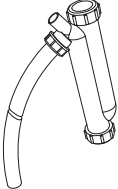
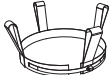
CONDEXA PRO – CASCADE APPLICATION

Ø300 AIR DOUBLE WALL IN PPTL(*) , EXTERNALLY COATED IN STAINLESS STEEL Ø350 FOR OUTDOOR USE

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20158598		ADAPTER FROM Ø250 TO Ø300 – ECCENTRIC – EXTERNAL Ø350 MM		
20158600		Ø300, 45° BEND – EXTERNAL Ø350		
20158601		Ø300, EXTENSION, L=500 mm – EXTERNAL Ø350		
20158602		Ø300, EXTENSION, L=1000 mm – EXTERNAL Ø350		
20158603		Ø300, EXTENSION WITH INSPECTION, L=500 mm – EXTERNAL Ø350		
20158604		Ø300, VERTICAL TERMINAL WITH CAP, L=1350 mm – EXTERNAL Ø350		
20158605		Ø300, VERTICAL TERMINAL CAP IN STAINLESS STEEL – EXTERNAL Ø350		
20158606		Ø300, 90° BEND CHIMNEY ENTRANCE AND CHIMNEY SUPPORT FOR EXTERNAL INSTALLATION – EXTERNAL Ø350		
20158607		Ø300, BOILER FLUE ADAPTER (BOX WITH Ø300 FLUES EXIT) – EXTERNAL Ø350 – L=150 mm		
20158594		Ø300, VERTICAL EXTENSION WITH CONDENSATE DRAIN L=245 mm – EXTERNAL Ø350		

(*) PPTl material is semi-transparent (translucent) polypropylene for indoor use only, as not compatible with UV sunlight.

CONDEXA PRO – CASCADE APPLICATION
ACCESSORIES FOR CHIMNEYS

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062443		LONG JOHN SIPHON WITH Ø 25 DRAIN PIPE L=1500 mm		
20062510		Ø160 TOOL		
20062563		Ø200 TOOL		
20062604		Ø250 TOOL		
20158577		Ø300 INSIDE-CHIMNEY SPACER		
20062444		Ø160 INSIDE-CHIMNEY SPACER		
20060948		Ø160 INSIDE-CHIMNEY SPACER (5PCS)		
20062564		Ø200 INSIDE-CHIMNEY SPACER		
20062664		Ø225 WALL CHIMNEY SUPPORT AND SPACER		
20062605		Ø250 INSIDE-CHIMNEY SPACER		
20062513		Ø160 AIR INLET GRID		
20062575		Ø200 AIR INLET GRID		
20062636		Ø250 AIR INLET GRID		
20158576		Ø300 AIR INLET GRID		

CONDEXA PRO – CASCADE APPLICATION

ACCESSORIES FOR CHIMNEYS

CODE		DESCRIPTION	NOTES	Price VAT not included (€)
20062512		WALL COVER FOR CHIMNEY ENTRANCE FOR Ø160		
20062574		WALL COVER FOR CHIMNEY ENTRANCE FOR Ø200		
20062665		WALL COVER FOR CHIMNEY ENTRANCE FOR Ø225		
20062635		WALL COVER FOR CHIMNEY ENTRANCE FOR Ø250		
20062675		WALL COVER FOR CHIMNEY ENTRANCE FOR Ø300		
20062693		WALL COVER FOR CHIMNEY ENTRANCE FOR Ø350		
20062449		Ø160 WALL PASSAGE FEEDER – EXTERNAL Ø225		
20062556		Ø200 WALL PASSAGE FEEDER – EXTERNAL Ø300		
20062602		Ø250 WALL PASSAGE FEEDER – EXTERNAL Ø350		

CONDEXA PRO – INSPECTABLE PLATE HEAT EXCHANGERS

SP INSPECTABLE PLATE HEAT EXCHANGERS FOR CONDEXA PRO CASCADE APPLICATION – FEATURES



- Inspectable plate heat-exchanger in stainless-steel AISI 316 L.
- Gaskets in NBR.
- Screw fittings in stainless-steel AISI 316.
- Max working temperature 110°C.
- Max pressure 10 bar.

SP – PLATE HEAT EXCHANGERS DN 50 – 65 – 100

All available codes of the PLATE HEAT EXCHANGERS are listed in the table below, together with the matching Insulation kits (KIT C) and Feet kits (KIT P).

For the correct mounting of the PLATE HEAT EXCHANGERS, please consider that KIT P (=Feet kit) is mandatory, while kit C (=Insulation kit) is recommended.

CODE	DESCRIPTION	PLATES no.	DN	MIX (%) (7)	KIT C (8)	KIT P (9)	WEIGHT (kg)	Price VAT not included (€)
20140410	SP 35 - DN50 25 (25A) N	25	DN 50	100	KIT C17	KIT P2	89	
20140411	SP 35 - DN50 31 (31A) N	31	DN 50	100	KIT C17	KIT P2	92	
20140412	SP 35 - DN50 35 (35A) N	35	DN 50	100	KIT C17	KIT P2	94	
20140413	SP 35 - DN50 39 (39A) N	39	DN 50	100	KIT C17	KIT P2	96	
20140414	SP 35 - DN50 45 (45A) N	45	DN 50	100	KIT C18	KIT P2	103	
20140415	SP 35 - DN50 49 (49A) N	49	DN 50	100	KIT C18	KIT P2	105	
20140416	SP 35 - DN50 57 (57A) N	57	DN 50	100	KIT C18	KIT P2	109	
20140418	SP 35 - DN50 65 (65A) N	65	DN 50	100	KIT C18	KIT P2	113	
20140419	SP 35 - DN50 75 (75A) N	75	DN 50	100	KIT C19	KIT P2	122	
20140420	SP 35 - DN50 81 (81A) N	81	DN 50	100	KIT C19	KIT P2	125	
20140421	SP 35 - DN50 93 (93A) N	93	DN 50	100	KIT C19	KIT P2	131	
20140423	SP 35 - DN50 105 (105A) N	105	DN 50	100	KIT C20	KIT P2	143	
20140424	SP 35 - DN50 121 (121A) N	121	DN 50	100	KIT C20	KIT P2	151	
20014230	SP 40 - DN65 19 (19A) N	19	DN 65	100	KIT C6	KIT P2	105	
20014218	SP 40 - DN65 23 (23A) N	23	DN 65	100	KIT C6	KIT P2	108	
20014219	SP 40 - DN65 27 (27A) N	27	DN 65	100	KIT C6	KIT P2	111	
20014235	SP 40 - DN65 35 (35A) N	35	DN 65	100	KIT C6	KIT P2	116	
20014232	SP 40 - DN65 47 (47A) N	47	DN 65	100	KIT C7	KIT P2	128	
20014231	SP 40 - DN65 59 (59A) N	59	DN 65	100	KIT C7	KIT P2	136	
20140425	SP 40 - DN65 67 (67A) N	67	DN 65	100	KIT C7	KIT P2	144	
20140426	SP 40 - DN65 75 (75A) N	75	DN 65	100	KIT C8	KIT P2	154	
20140427	SP 40 - DN65 93 (93A) N	93	DN 65	100	KIT C8	KIT P2	166	
20140428	SP 40 - DN65 99 (99A) N	99	DN 65	100	KIT C8	KIT P2	171	
20140429	SP 40 - DN65 111 (111A) N	111	DN 65	100	KIT C21	KIT P2	185	
20140432	SP 40 - DN65 121 (121A) N	121	DN 65	100	KIT C21	KIT P2	192	
20140433	SP 40 - DN65 145 (145A) N	145	DN 65	100	KIT C21	KIT P2	209	
20140435	SP 60 - DN100 51 (51A) N	51	DN 100	100	KIT C15	KIT P3	415	
20140437	SP 60 - DN100 59 (59A) N	59	DN 100	100	KIT C15	KIT P3	427	
20140438	SP 60 - DN100 65 (65A) N	65	DN 100	100	KIT C15	KIT P3	435	
20140439	SP 60 - DN100 73 (73A) N	73	DN 100	100	KIT C15	KIT P3	447	
20083248	SP 60 - DN100 77 (77A) N	77	DN 100	100	KIT C15	KIT P3	442	
20140440	SP 60 - DN100 85 (85A) N	85	DN 100	100	KIT C15	KIT P3	464	
20083249	SP 60 - DN100 97 (97A) N	97	DN 100	100	KIT C15	KIT P3	471	
20140441	SP 60 - DN100 107 (107A) N	107	DN 100	100	KIT C16	KIT P3	517	

(7) Mix % of high efficiency plates. - (8) KIT C = Insulation kit. - (9) KIT P = Feet kit.

FITTINGS TO BE USED WITH CONDEXA PRO UNITS

CODE	DESCRIPTION	NOTES	Price VAT not included (€)
20132373	Fittings kit for plate heat exchanger (Ø80 on 3" hydraulic manifolds side / Ø50 on plate heat exchanger side)	(10)	
20132375	Fittings kit for plate heat exchanger (Ø125 on 5" hydraulic manifolds side / Ø65 on plate heat exchanger side)	(10)	
20132376	Fittings kit for plate heat exchanger (Ø125 on 5" hydraulic manifolds side / Ø100 on plate heat exchanger side)	(10)	

(10) Connection kit for SP heat exchangers. For the selection of the suitable plate heat exchanger please contact the Riello Pre-sales Dept.

CONDEXA PRO – INSPECTABLE PLATE HEAT EXCHANGERS

SP – ACCESSORIES (OPTIONAL)

CODE	DESCRIPTION	PLATES no.	PLATE HEAT EXCHANGE MODEL	NOTES	Price VAT not included (€)
20140442	C17 Insulation kit	up to 41	SP 35	(11)(12)	
20140443	C18 Insulation kit	up to 71	SP 35	(11)(12)	
20140444	C19 Insulation kit	up to 101	SP 35	(11)(12)	
20140445	C20 Insulation kit	up to 151	SP 35	(11)(12)	
20090501	C6 Insulation kit	up to 41	SP 40	(11)(12)	
20096867	C7 Insulation kit	up to 71	SP 40	(11)(12)	
20096868	C8 Insulation kit	up to 101	SP 40	(11)(12)	
20140446	C21 Insulation kit	up to 151	SP 40	(11)(12)	
20096918	C15 Insulation kit	up to 101	SP 60	(11)(12)	
20116198	C16 Insulation kit	up to 201	SP 60	(11)(12)	

SP – ACCESSORIES (MANDATORY)

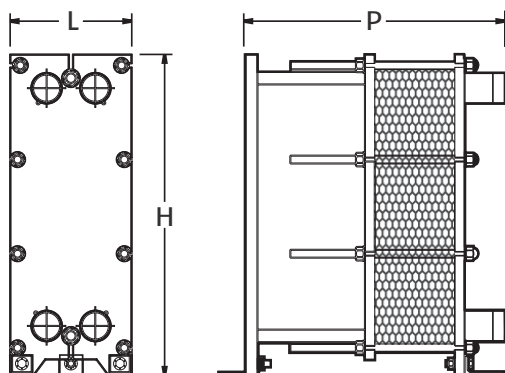
CODE	DESCRIPTION	PLATES no.	PLATE HEAT EXCHANGE MODEL	NOTES	Price VAT not included (€)
20120282	P2 Feet Kit	-	SP 35-40	(11)(13)	
20120284	P3 Feet Kit	-	SP 60	(11)(13)	

(11) Accessories to be ordered together with plate heat exchanger.

(12) KIT C = Insulation kit

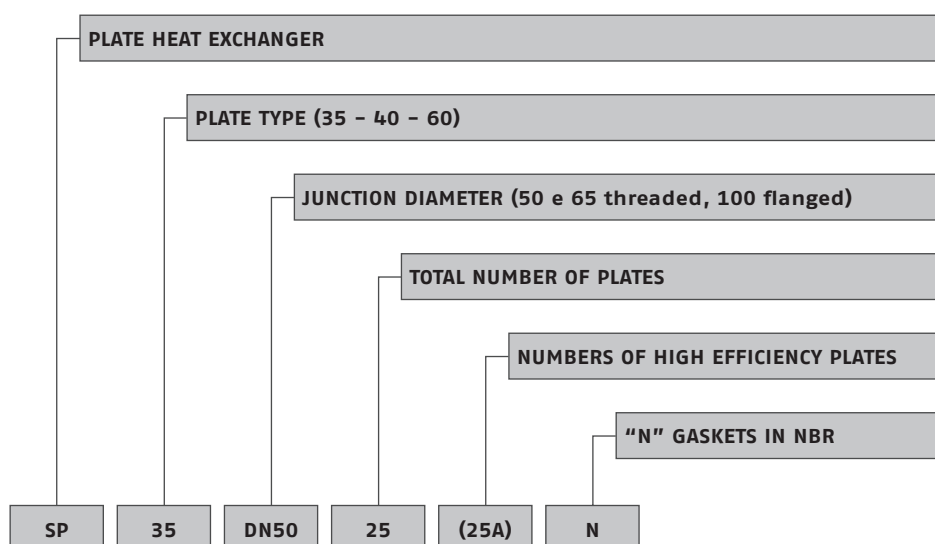
(13) KIT P = Feet kit

Dimensions – SP heat exchangers



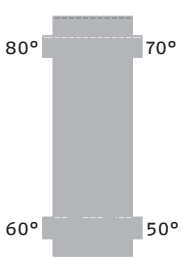
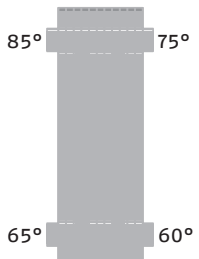
DESCRIPTION	PLATES no. from - to	H mm	L mm	D mm
PLATE HEAT EXCHANGERS IN AISI 316 L, WITH NBR GASKETS				
SP 35	25 - 39	950	400	408
	45 - 65	950	400	548
	75 - 93	950	400	688
	105 - 121	950	400	918
SP 40	19 - 35	819	310	418
	47 - 67	819	310	558
	75 - 99	819	310	718
	111 - 145	819	310	948
SP 60	51 - 107	1124	530	775

Decoding of model description



CONDEXA PRO – INSPECTABLE PLATE HEAT EXCHANGERS

MATCHING TABLE CONDEXA PRO WITH PLATE HEAT EXCHANGERS

MATCHING FOR HIGH TEMPERATURE CIRCUITS			$\Delta T_{mi} = 10^{\circ}\text{C}$			$\Delta T_{mi} = 7,2^{\circ}\text{C}$		
								
QUANTITY OF BOILERS IN CASCADE	MODEL	HEAT INPUT [KW]	HEAT EXCHANGER	DN	CODE	HEAT EXCHANGER	DN	CODE
2	Condexa Pro 2x 35 P	70	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 25 (25A) N	DN50	20140410
	Condexa Pro 2x 50 P	90	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 31 (31A) N	DN50	20140411
	Condexa Pro 2x 57 P	114	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 35 (35A) N	DN50	20140412
	Condexa Pro 2x 70 P	136	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 39 (39A) N	DN50	20140413
	Condexa Pro 2x 90	180	SP 35 – DN50 31 (31A) N	DN50	20140411	SP 35 – DN50 49 (49A) N	DN50	20140415
	Condexa Pro 2x 100	194	SP 35 – DN50 35 (35A) N	DN50	20140412	SP 35 – DN50 57 (57A) N	DN50	20140416
	Condexa Pro 2x 115	224	SP 35 – DN50 39 (39A) N	DN50	20140413	SP 35 – DN50 65 (65A) N	DN50	20140418
3	Condexa Pro 2x 135	262	SP 35 – DN50 45 (45A) N	DN50	20140414	SP 35 – DN50 75 (75A) N	DN50	20140419
	Condexa Pro 3x 35 P	105	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 31 (31A) N	DN50	20140411
	Condexa Pro 3x 50 P	135	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 39 (39A) N	DN50	20140413
	Condexa Pro 3x 57 P	171	SP 35 – DN50 31 (31A) N	DN50	20140411	SP 35 – DN50 49 (49A) N	DN50	20140415
	Condexa Pro 3x 70 P	204	SP 35 – DN50 35 (35A) N	DN50	20140412	SP 35 – DN50 57 (57A) N	DN50	20140416
	Condexa Pro 3x 90	270	SP 35 – DN50 45 (45A) N	DN50	20140414	SP 35 – DN50 75 (75A) N	DN50	20140419
	Condexa Pro 3x 100	291	SP 35 – DN50 49 (49A) N	DN50	20140415	SP 35 – DN50 81 (81A) N	DN50	20140420
4	Condexa Pro 3x 115	336	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
	Condexa Pro 3x 135	393	SP 35 – DN50 65 (65A) N	DN50	20140418	SP 35 – DN50 105 (105A) N	DN50	20140423
	Condexa Pro 4x 35 P	140	SP 35 – DN50 25 (25A) N	DN50	20140410	SP 35 – DN50 39 (39A) N	DN50	20140413
	Condexa Pro 4x 50 P	180	SP 35 – DN50 31 (31A) N	DN50	20140411	SP 35 – DN50 49 (49A) N	DN50	20140415
	Condexa Pro 4x 57 P	228	SP 35 – DN50 39 (39A) N	DN50	20140413	SP 35 – DN50 65 (65A) N	DN50	20140418
	Condexa Pro 4x 70 P	272	SP 35 – DN50 45 (45A) N	DN50	20140414	SP 35 – DN50 75 (75A) N	DN50	20140419
	Condexa Pro 4x 90	360	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
5	Condexa Pro 4x 100	388	SP 35 – DN50 65 (65A) N	DN50	20140418	SP 35 – DN50 105 (105A) N	DN50	20140423
	Condexa Pro 4x 115	448	SP 35 – DN50 75 (75A) N	DN50	20140419	SP 35 – DN50 121 (121A) N	DN50	20140424
	Condexa Pro 4x 135	524	SP 40 – DN65 59 (59A) N	DN65	20014231	SP 40 – DN65 99 (99A) N	DN65	20140428
	Condexa Pro 5x 35 P	175	SP 35 – DN50 31 (31A) N	DN50	20140411	SP 35 – DN50 49 (49A) N	DN50	20140415
	Condexa Pro 5x 50 P	225	SP 35 – DN50 39 (39A) N	DN50	20140413	SP 35 – DN50 65 (65A) N	DN50	20140418
	Condexa Pro 5x 57 P	285	SP 35 – DN50 49 (49A) N	DN50	20140415	SP 35 – DN50 75 (75A) N	DN50	20140419
	Condexa Pro 5x 70 P	340	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
6	Condexa Pro 5x 90	450	SP 35 – DN50 75 (75A) N	DN50	20140419	SP 35 – DN50 121 (121A) N	DN50	20140424
	Condexa Pro 5x 100	485	SP 35 – DN50 81 (81A) N	DN50	20140420	SP 35 – DN50 121 (121A) N	DN50	20140424
	Condexa Pro 5x 115	560	SP 40 – DN65 67 (67A) N	DN65	20140425	SP 40 – DN65 99 (99A) N	DN65	20140428
	Condexa Pro 5x 135	655	SP 40 – DN65 75 (75A) N	DN65	20140426	SP 40 – DN65 121 (121A) N	DN65	20140432

CONDEXA PRO – INSPECTABLE PLATE HEAT EXCHANGERS

QUANTITY OF BOILERS IN CASCADE	MODEL	HEAT INPUT [KW]	HEAT EXCHANGER	DN	CODE	HEAT EXCHANGER	DN	CODE
6	Condexa Pro 6x 35 P	209	SP 35 – DN50 35 (35A) N	DN50	20140412	SP 35 – DN50 57 (57A) N	DN50	20140416
	Condexa Pro 6x 50 P	270	SP 35 – DN50 45 (45A) N	DN50	20140414	SP 35 – DN50 75 (75A) N	DN50	20140419
	Condexa Pro 6x 57 P	342	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
	Condexa Pro 6x 70 P	408	SP 35 – DN50 65 (65A) N	DN50	20140418	SP 35 – DN50 105 (105A) N	DN50	20140423
	Condexa Pro 6x 90	540	SP 40 – DN65 67 (67A) N	DN65	20140425	SP 40 – DN65 99 (99A) N	DN65	20140428
	Condexa Pro 6x 100	582	SP 40 – DN65 67 (67A) N	DN65	20140425	SP 40 – DN65 111 (111A) N	DN65	20140429
	Condexa Pro 6x 115	672	SP 40 – DN65 75 (75A) N	DN65	20140426	SP 40 – DN65 121 (121A) N	DN65	20140432
7	Condexa Pro 7x 135	786	SP 40 – DN65 93 (93A) N	DN65	20140427	SP 40 – DN65 145 (145A) N	DN65	20140433
	Condexa Pro 7x 35 P	244	SP 35 – DN50 45 (45A) N	DN50	20140414	SP 35 – DN50 65 (65A) N	DN50	20140418
	Condexa Pro 7x 50 P	315	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
	Condexa Pro 7x 57 P	399	SP 35 – DN50 65 (65A) N	DN50	20140418	SP 35 – DN50 105 (105A) N	DN50	20140423
	Condexa Pro 7x 70 P	476	SP 35 – DN50 81 (81A) N	DN50	20140420	SP 35 – DN50 121 (121A) N	DN50	20140424
	Condexa Pro 7x 90	630	SP 40 – DN65 75 (75A) N	DN65	20140426	SP 40 – DN65 111 (111A) N	DN65	20140429
	Condexa Pro 7x 100	679	SP 40 – DN65 75 (75A) N	DN65	20140426	SP 40 – DN65 121 (121A) N	DN65	20140432
8	Condexa Pro 7x 115	784	SP 40 – DN65 93 (93A) N	DN65	20140427	SP 40 – DN65 145 (145A) N	DN65	20140433
	Condexa Pro 7x 135	917	SP 60 – DN100 51 (51A) N	DN100	20140435	SP 60 – DN100 73 (73A) N	DN100	20140439
	Condexa Pro 8x 35 P	279	SP 35 – DN50 49 (49A) N	DN50	20140415	SP 35 – DN50 75 (75A) N	DN50	20140419
	Condexa Pro 8x 50 P	360	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
	Condexa Pro 8x 57 P	456	SP 35 – DN50 75 (75A) N	DN50	20140419	SP 35 – DN50 121 (121A) N	DN50	20140424
	Condexa Pro 8x 70 P	544	SP 40 – DN65 67 (67A) N	DN65	20140425	SP 40 – DN65 99 (99A) N	DN65	20140428
	Condexa Pro 8x 90	720	SP 40 – DN65 93 (93A) N	DN65	20140427	SP 40 – DN65 145 (145A) N	DN65	20140433
9	Condexa Pro 8x 100	776	SP 40 – DN65 93 (93A) N	DN65	20140427	SP 40 – DN65 145 (145A) N	DN65	20140433
	Condexa Pro 8x 115	896	SP 60 – DN100 59 (59A) N	DN100	20140437	SP 60 – DN100 73 (73A) N	DN100	20140439
	Condexa Pro 8x 135	1048	SP 60 – DN100 59 (59A) N	DN100	20140437	SP 60 – DN100 85 (85A) N	DN100	20140440
	Condexa Pro 9x 35 P	314	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
	Condexa Pro 9x 50 P	405	SP 35 – DN50 65 (65A) N	DN50	20140418	SP 35 – DN50 105 (105A) N	DN50	20140423
	Condexa Pro 9x 57 P	513	SP 40 – DN65 59 (59A) N	DN65	20014231	SP 40 – DN65 99 (99A) N	DN65	20140428
	Condexa Pro 9x 70 P	612	SP 40 – DN65 75 (75A) N	DN65	20140426	SP 40 – DN65 111 (111A) N	DN65	20140429
10	Condexa Pro 9x 90	810	SP 60 – DN100 51 (51A) N	DN100	20140435	SP 60 – DN100 65 (65A) N	DN100	20140438
	Condexa Pro 9x 100	873	SP 60 – DN100 51 (51A) N	DN100	20140435	SP 60 – DN100 73 (73A) N	DN100	20140439
	Condexa Pro 9x 115	1008	SP 60 – DN100 65 (65A) N	DN100	20140438	SP 60 – DN100 85 (85A) N	DN100	20140440
	Condexa Pro 10x 35 P	349	SP 35 – DN50 57 (57A) N	DN50	20140416	SP 35 – DN50 93 (93A) N	DN50	20140421
	Condexa Pro 10x 50 P	450	SP 35 – DN50 75 (75A) N	DN50	20140419	SP 35 – DN50 121 (121A) N	DN50	20140424
	Condexa Pro 10x 57 P	570	SP 40 – DN65 67 (67A) N	DN65	20140425	SP 40 – DN65 111 (111A) N	DN65	20140429
	Condexa Pro 10x 70 P	680	SP 40 – DN65 75 (75A) N	DN65	20140426	SP 40 – DN65 121 (121A) N	DN65	20140432
10	Condexa Pro 10x 90	900	SP 60 – DN100 51 (51A) N	DN100	20140435	SP 60 – DN100 73 (73A) N	DN100	20140439
	Condexa Pro 10x 100	970	SP 60 – DN100 59 (59A) N	DN100	20140437	SP 60 – DN100 77 (77A) N	DN100	20083248
	Condexa Pro 10x 115	1120	SP 60 – DN100 73 (73A) N	DN100	20140439	SP 60 – DN100 97 (97A) N	DN100	20083249

APPLICATION DIAGRAMS

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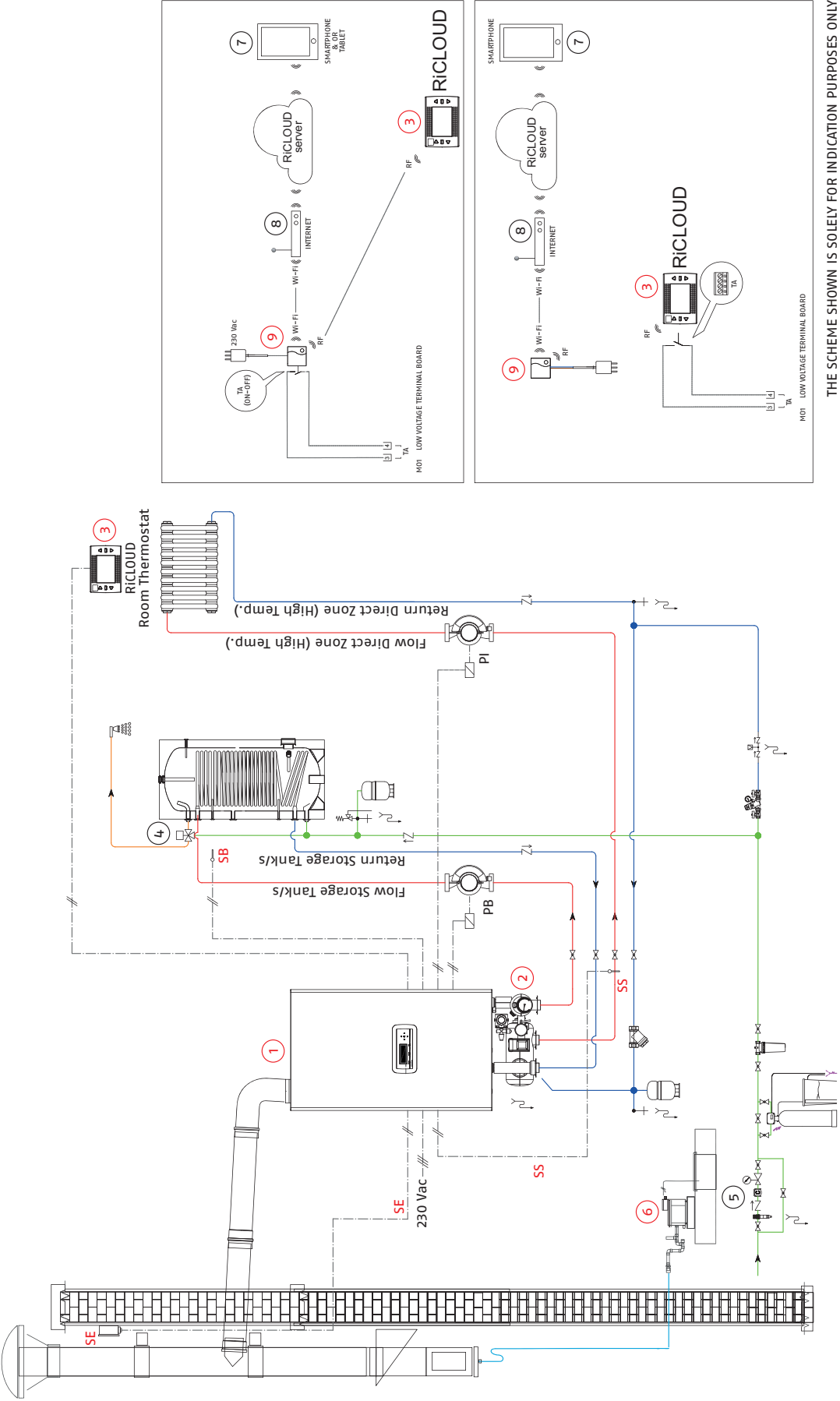
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A **STAND-ALONE APPLICATION WITH HORIZONTAL HYDRAULIC SEPARATOR FOR 1 DIRECT ZONE AND DHW PRODUCTION VIA DHW TANK**
A.1 – HYDRAULIC SCHEME



THE SCHEME SHOWN IS SOLELY FOR INDICATION PURPOSES ONLY

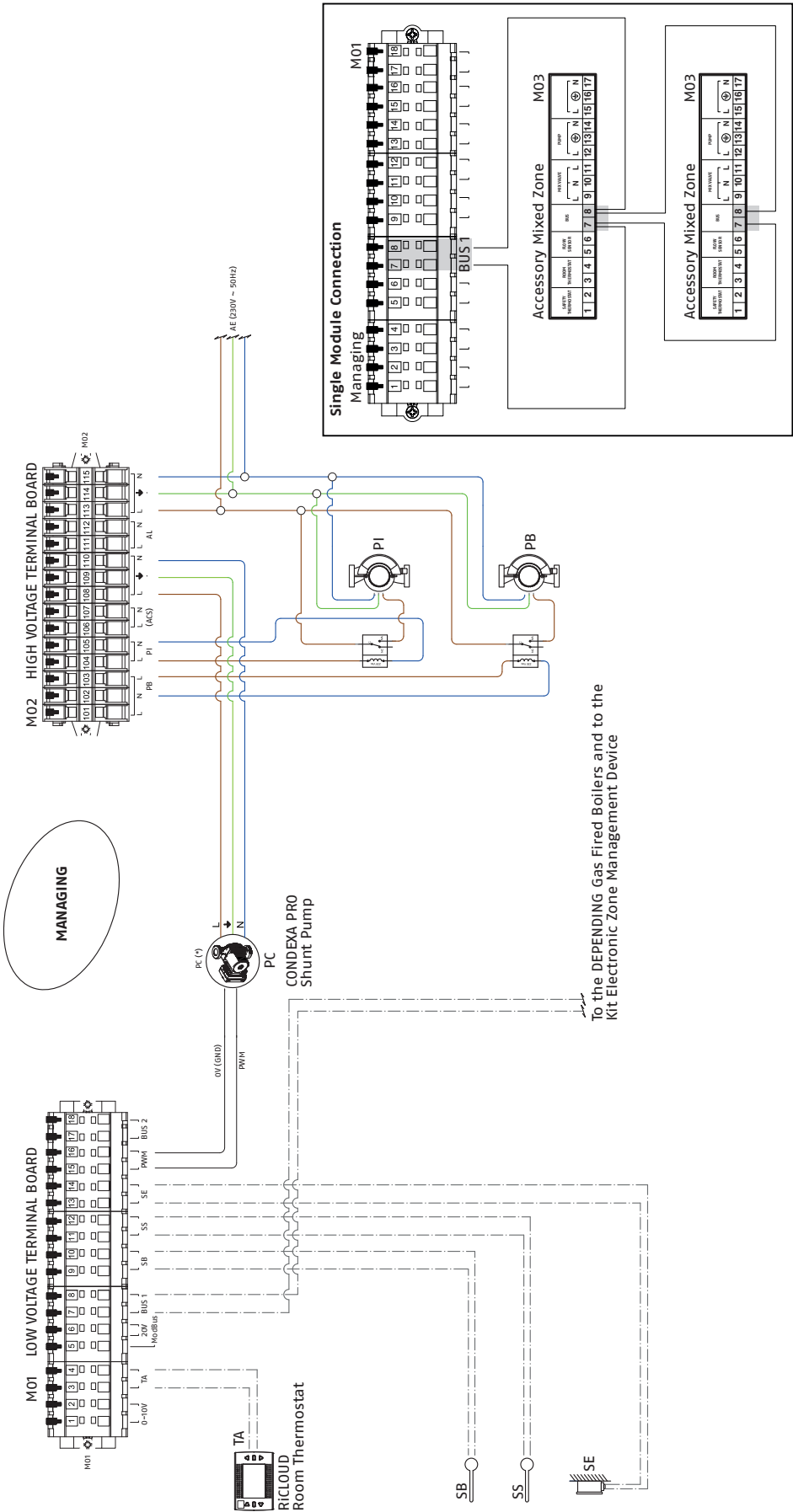
- SE:** Outdoor Sensor (Accessory)
SB: DHW Storage Tank (Accessory)
SS: Primary Temperature Probe
PB: DHW Storage Tank Pump
PI: Central Heating System Pump
☒ 230 Vac Relay with Changeover Contact
- CH Flow**
CH Return
DHW Outlet
DCW Inlet
Probes Electrical Connections

- 6** Condensate Neutralizer
7 Smartphone or Tablet
8 Modem ADSL – Modem Wi-Fi Internet Existing
9 Wi-Fi box – RF – Wireless Boiler Receiver

- 1** RIELLO CONDEXA PRO
2 Kit Horizontal Hydraulic Separator for Stand-alone
3 RiCloud Room Thermostat
4 Thermostatic Mixing Valve
5 Devices Installed on Inlet DCW Pipe, Softener, Filters, Pressure Reducers

NB: The items marked in red are available on Riello catalogue.

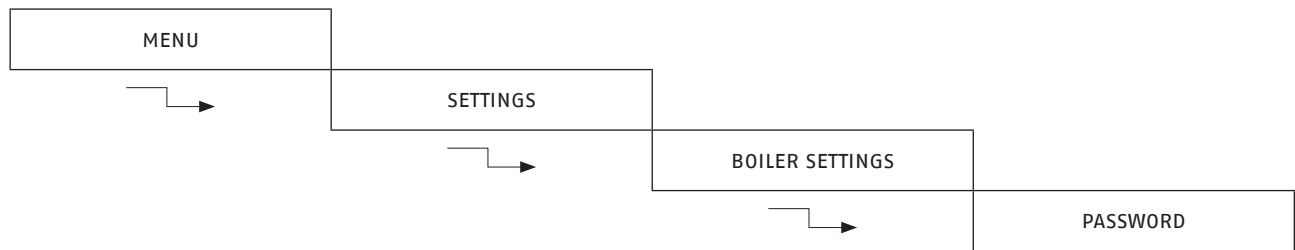
A.2 - WIRING DIAGRAM (MANAGING)



M01 - LOW VOLTAGE TERMINAL BOARD		M02 - HIGH VOLTAGE TERMINAL BOARD	
0-10V	0-10 Volt Input	PB	DHW Storage Cylinder Circulator / 3-way valve / 2-way valve
TA	Room Thermostat / Heat Call	PC	Thermal Module Circulator (*)
24V	24 Volt Output	AL	Alarm Output
ModBus	ModBus Output	AE	Power Supply
SB	DHW Storage Tank Temp. Probe (Accessory)		
(*) For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is fitted as standard; for other models, the shunt pump is provided as an accessory with connections to be executed by the installer.			
(**) Valid configuration for thermal modules without shunt pump OR having their own 2-way valve, connected in cascade and equipped with primary system circulator. For more information, see cascade installation manual.			
In order to activate SS, set DIP switch 1 to ON (J14 = Mother Board).			

A.3 – MAIN PARAMETERS

WORKFLOW TO REACH PASSWORD



PASSWORD 0300 INSTALLER

Menu	Par. No.	Nr. Displayed Display	Range	Description
M1	1	CH Mode	0-1-2-3-4-5	CH Mode: 0 - Central Heating demand 1 - CH with an outdoor NTC probe and thermostat control 2 - CH with an outdoor NTC probe, thermostat control and night reduction 3 - CH with permanent heat demand and night reduction 4 - CH with 0-10 V input control of set-point
M1	35	DHW Mode	0 - Disabled 1 - Tank + Sensor 2 - Tank + Thermostat	DHW mode: 0 - No Domestic Hot Water 1 - Storage Tank with Sensor 2 - Storage Tank with Thermostat

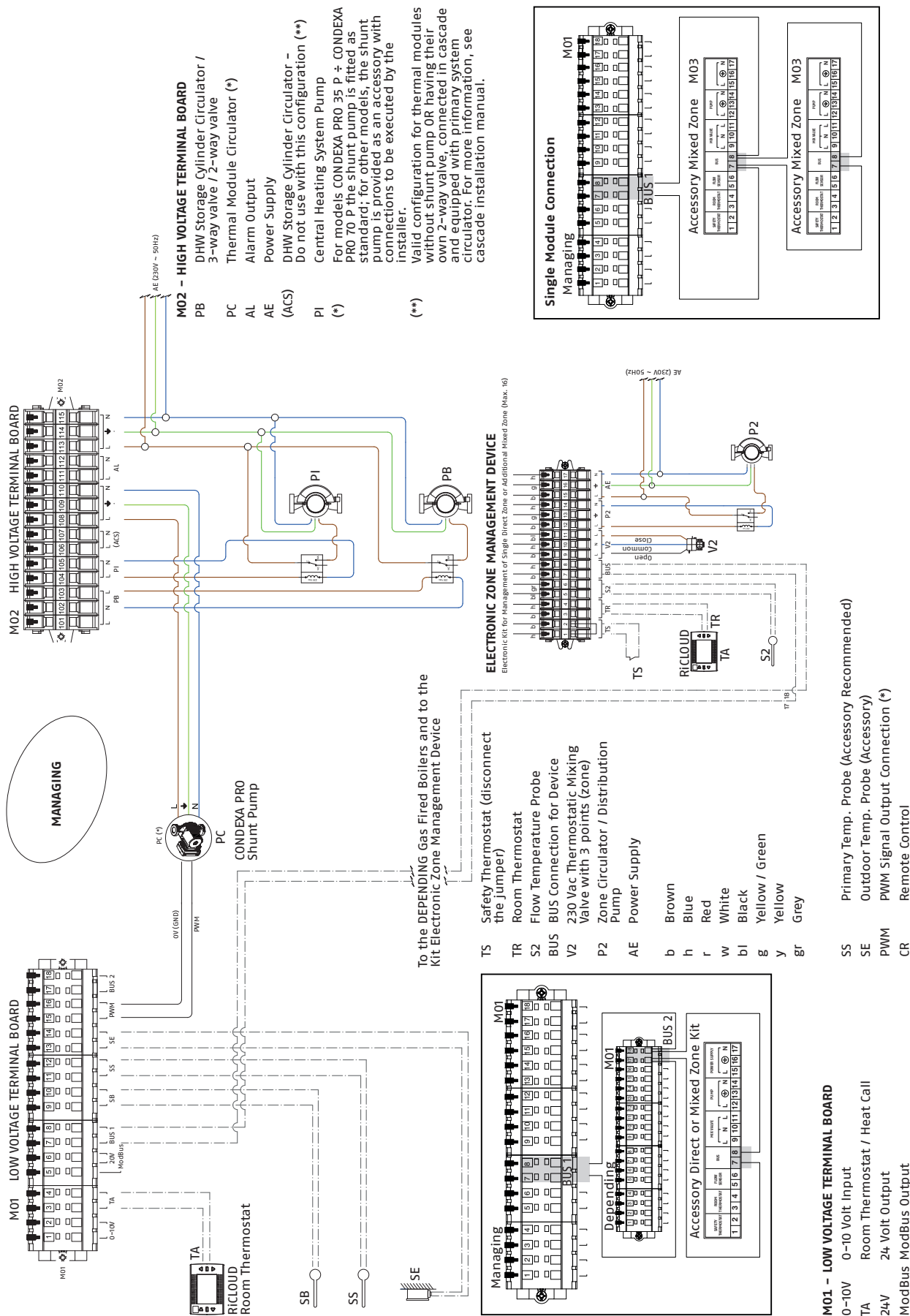


- ① RIELLO CONDEXA PRO
 - ② Kit Horizontal Hydraulic Separator for Stand-alone
 - ③ RICLOUD Room Thermostat
 - ④ Thermostatic Mixing Valve
 - ⑤ Devices Installed on Inlet DCW Pipe, Softener, Filters, Pressure Reducers
 - ⑥ Electronic Kit for Management of Single Direct Zone or Additional Mixed Zone (Max. 16)
 - ⑦ Condensate Neutralizer

PB: DHW Storage Tank Pump
 PI: Central Heating System Pump
 P2: Low Temperature Pump Managed by External Management Kit

NB: The items marked in red are available on Riello catalogue.

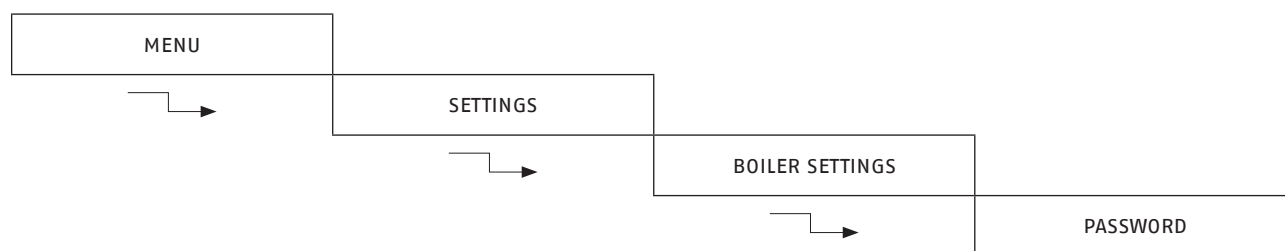
B.2 - WIRING DIAGRAM (MANAGING)



In order to activate SS, set DIP switch 1 to ON (J14 = Mother Board).

B.3 – MAIN PARAMETERS

WORKFLOW TO REACH PASSWORD

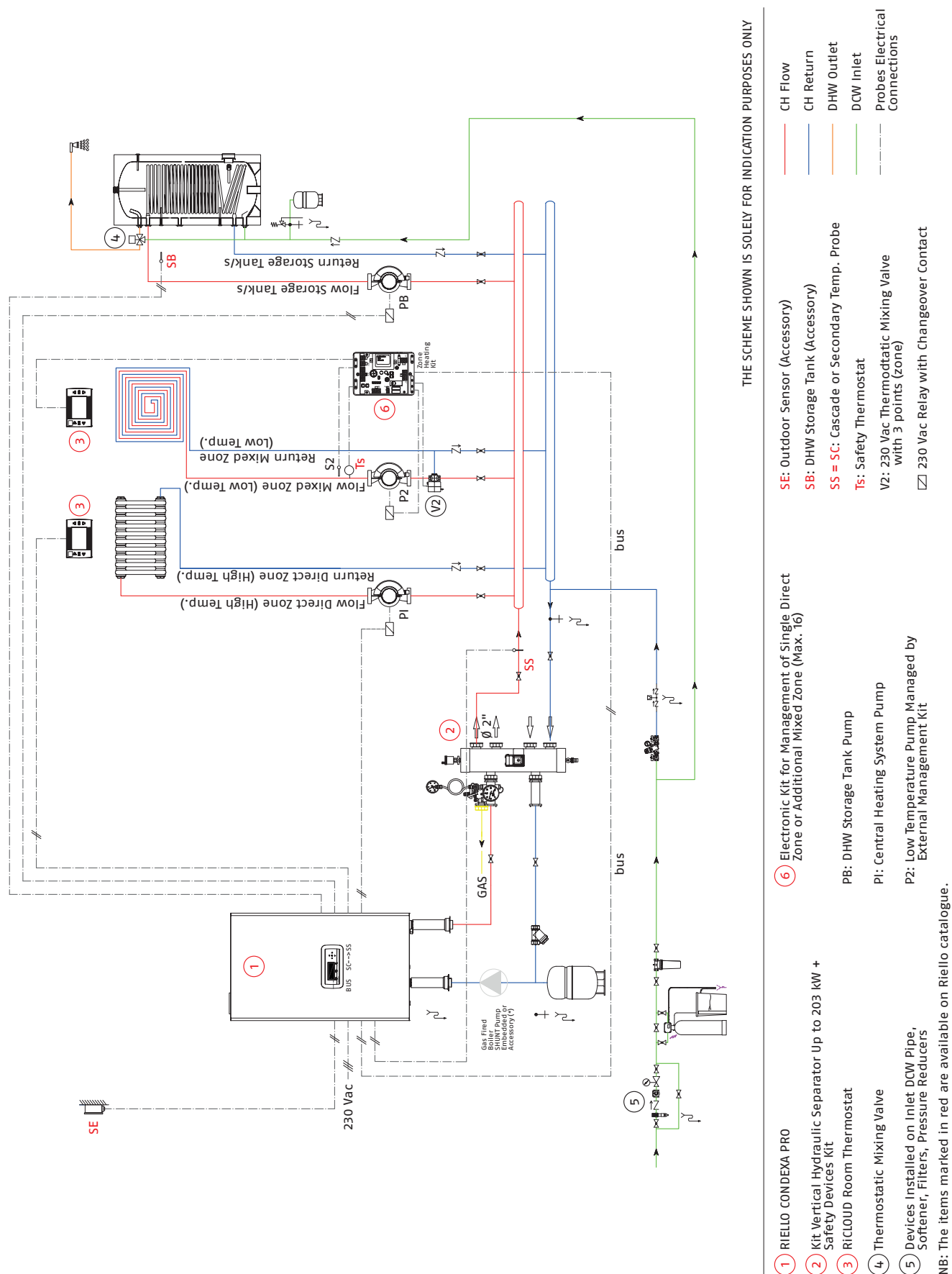


PASSWORD 0300 INSTALLER

Menu	Par. No.	Nr. Displayed Display	Range	Description
M1	1	CH Mode	0-1-2-3-4-5	CH Mode: 0 - Central Heating demand 1 - CH with an outdoor NTC probe and thermostat control 2 - CH with an outdoor NTC probe, thermostat control and night reduction 3 - CH with permanent heat demand and night reduction 4 - CH with 0-10 V input control of set-point
M1	35	DHW Mode	0 - Disabled 1 - Tank + Sensor 2 - Tank + Thermostat	DHW mode: 0 - No Domestic Hot Water 1 - Storage Tank with Sensor 2 - Storage Tank with Thermostat

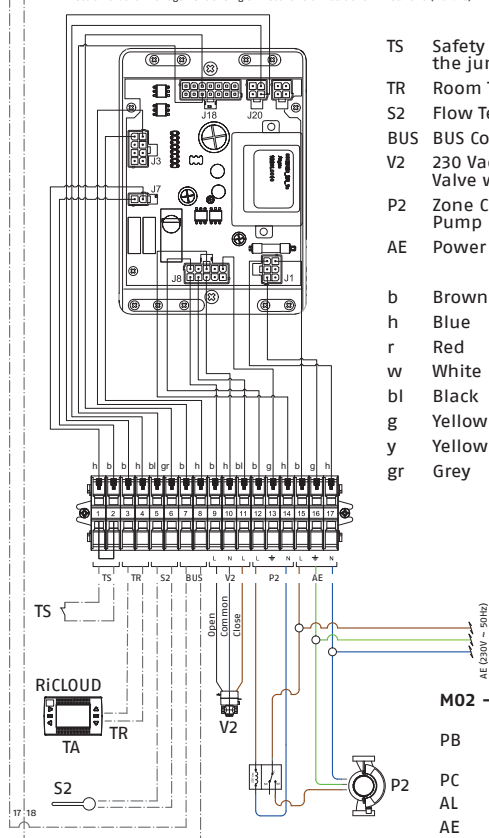
C STAND-ALONE APPLICATION WITH VERTICAL HYDRAULIC SEPARATOR FOR 1 DIRECT ZONE, 1 MIXED ZONE AND DHW PRODUCTION VIA DHW TANK

C.1 – HYDRAULIC SCHEME



The diagram illustrates the wiring for the CONDEXA PRO Shunt Pump system. It features two terminal boards: M01 (LOW VOLTAGE TERMINAL BOARD) and M02 (HIGH VOLTAGE TERMINAL BOARD). M01 is connected to a RiCloud Room Thermostat (TA), SB, SS, and SE. M02 is connected to a PC (CONDEXA PRO Shunt Pump) and a PB. The PC is connected to a 0V (GND) and PWM line. The PB is connected to a 230V ~ 50Hz line. The diagram also shows a 'MANAGING' oval and a 'To the DEPENDING Gas Fired Boilers and to the Kit Electronic Zone Management Device' label.

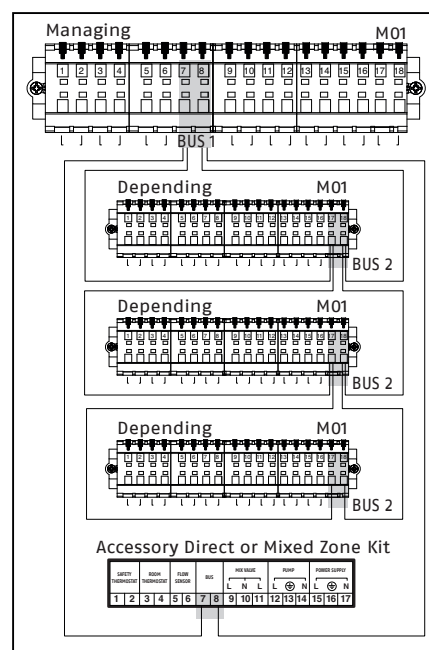
Electronic Kit for Management of Single Direct Zone or Additional Mixed Zone (Max. 16)



0-10V	0-10 Volt Input
TA	Room Thermostat / Heat Call
24V	24 Volt Output
ModBus	ModBus Output
SB	DHW Storage Tank Temp. Probe (Accessory)
SS	Primary Temp. Probe (Accessory Recommended)
SE	Outdoor Temp. Probe (Accessory)
PWM	PWM Signal Output Connection (*)
CR	Remote Control

PB	DHW Storage Cylinder Circulator / 3-way valve / 2-way valve
PC	Thermal Module Circulator (*)
AL	Alarm Output
AE	Power Supply
(ACS)	DHW Storage Cylinder Circulator - Do not use with this configuration (**)
PI	Central Heating System Pump
(*)	For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is fitted as standard; for other models, the shunt pump is provided as an accessory with connections to be executed by the installer.
(**)	Valid configuration for thermal modules without shunt pump OR having their own 2-way valve, connected in cascade and equipped with primary system circulator. For more information, see cascade installation manual.

In order to activate SS, set DIP switch 1 to ON (J14 = Mother Board).



The diagram illustrates the M01 main bus and its connections to two M03 accessory mixed zones. The M01 bus is a horizontal strip with 17 numbered terminals (1-17) and a central 'BUS 1' label. It is connected to two identical M03 accessory mixed zones, one above and one below. Each M03 zone contains a table with 17 numbered terminals and a central 'BUS 1' label. The connections are as follows:

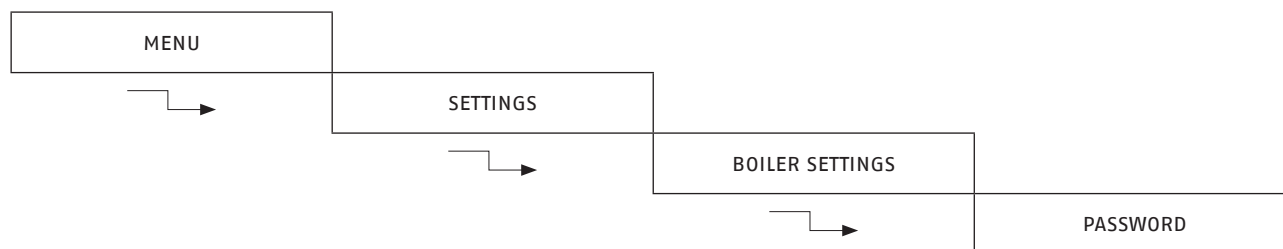
- M01 Main Bus:** A horizontal strip with 17 numbered terminals (1-17) and a central 'BUS 1' label. It is connected to two identical M03 accessory mixed zones, one above and one below.
- M03 Accessory Mixed Zone (Top):** A table with 17 numbered terminals (1-17) and a central 'BUS 1' label. The connections are:

SQUET THERMIST		REIN THERMIST		FUSE SENS		EGG		NEW BLICE			PUMP					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
								L	N	L	L	⊕	N	L	⊕	N
- M03 Accessory Mixed Zone (Bottom):** A table with 17 numbered terminals (1-17) and a central 'BUS 1' label. The connections are:

SQUET THERMIST		REIN THERMIST		FUSE SENS		EGG		NEW BLICE			PUMP					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
								L	N	L	L	⊕	N	L	⊕	N

C.3 – MAIN PARAMETERS

WORKFLOW TO REACH PASSWORD



PASSWORD 0300 INSTALLER

Menu	Par. No.	Nr. Displayed Display	Range	Description
M1	1	CH Mode	0-1-2-3-4-5	CH Mode: 0 - Central Heating demand 1 - CH with an outdoor NTC probe and thermostat control 2 - CH with an outdoor NTC probe, thermostat control and night reduction 3 - CH with permanent heat demand and night reduction 4 - CH with 0-10 V input control of set-point
M1	35	DHW Mode	0 - Disabled 1 - Tank + Sensor 2 - Tank + Thermostat	DHW mode: 0 - No Domestic Hot Water 1 - Storage Tank with Sensor 2 - Storage Tank with Thermostat

D.1 - HYDRAULIC SCHEME



6 Electronic Kit for Management of Single Direct Zone or Additional Mixed Zone (Max. 16)

- 1 RIELLO CONDEXA PRO
- 2 Kit Vertical Hydraulic Separator for Cascade

- 1 RIELLO CONDEXA PRO
- 2 Kit Vertical Hydraulic Separators
- 3 RiCLOUD Room Thermostat

④ Thermostatic Mixing Valve

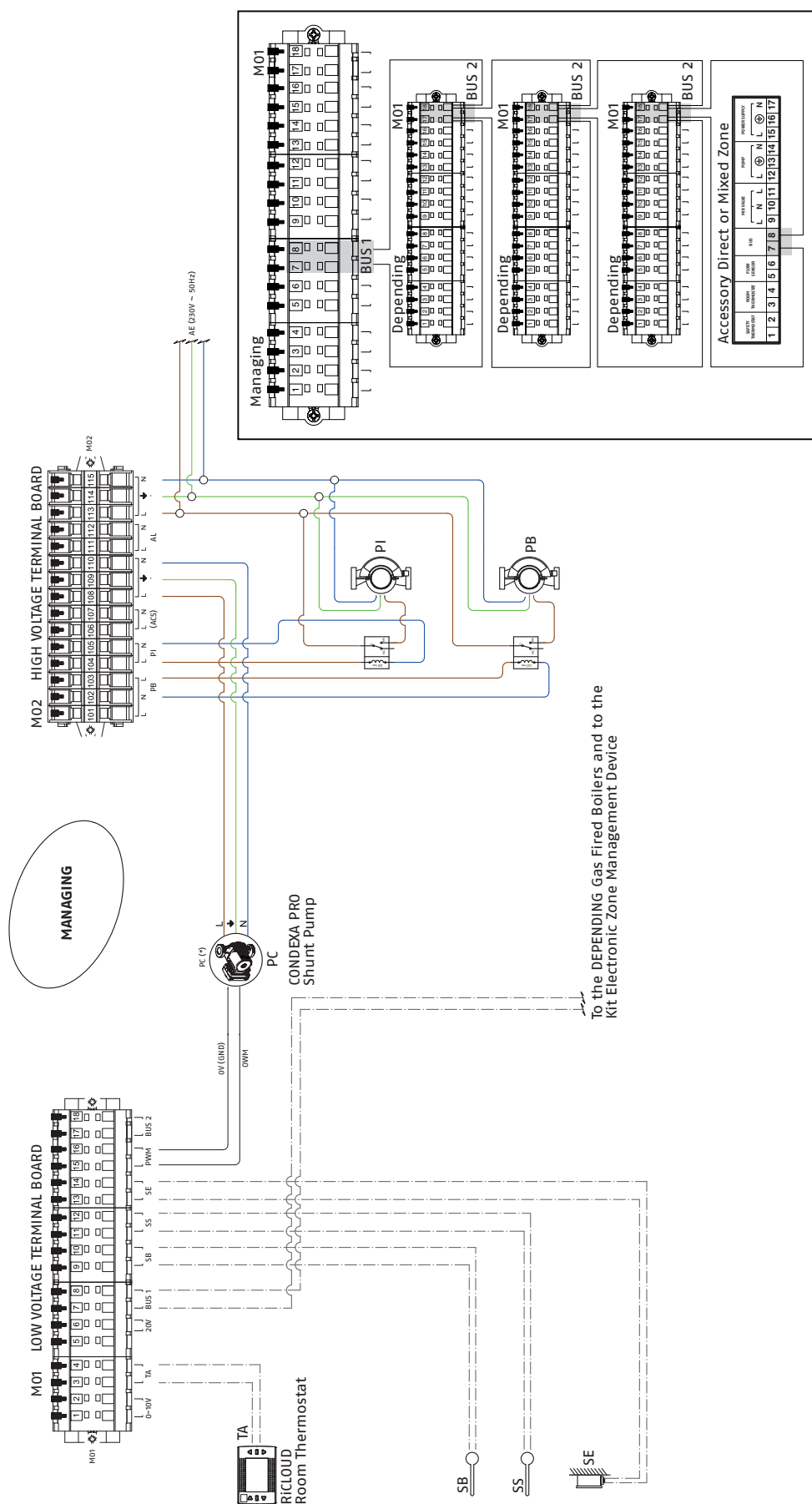
5 Devices Installed on Inlet DCW Pipe, Softener, Filters, Pressure Reducers

VB: The items marked in red are available on Riello catalogue.

SE: Outdoor Sensor (Accessory)
SB: DHW Storage Tank (Accessory)
SC: Cascade or Secondary Temp. Probe
SS: Primary Temp. Probe – Mandatory for Cascade Management
TS: Safety Thermostat
M2: 230 Vac Thermodynamic Mixing Valve with 3 points (zone)
Z: 230 Vac Relay with Changeover Contact

CH Flow
CH Return
DHW Outlet
DCW Inlet
Probes Electrical Connections

D.2.1 - WIRING DIAGRAM (MANAGING)

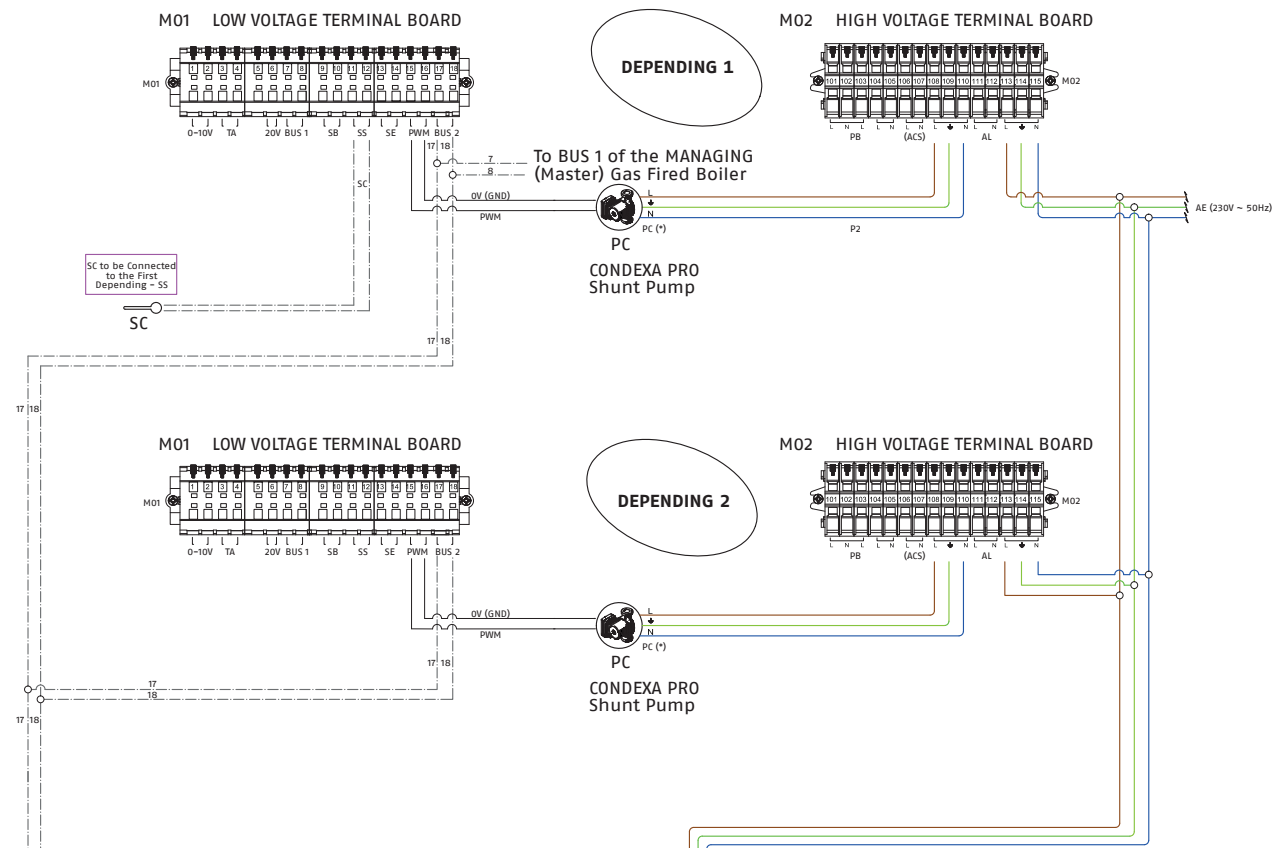


M01 – LOW VOLTAGE TERMINAL BOARD		M02 – HIGH VOLTAGE TERMINAL BOARD	
SS	Primary Temp. Probe (Accessory Recommended)	PB	DHW Storage Cylinder Circulator / 3-way valve / 2-way valve (ACS)
SE	Room Thermostat / Heat Call		
PWM	PWM Signal Output Connection (*)	PC	Thermal Module Circulator (*)
CR	Remote Control	AL	Alarm Output
ModBus	ModBus Output	AE	Power Supply
SB	DHW Storage Tank Temp. Probe (Accessory)		
			DHW Storage Cylinder Circulator - Do not use with this configuration (**) Central Heating System Pump

For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is provided as an accessory with connections to be executed by the installer.
Valid configuration for thermal modules without shunt pump OR having their own 2-way valve, connected in cascade with primary system circulator. For more information, see cascade installation manual.

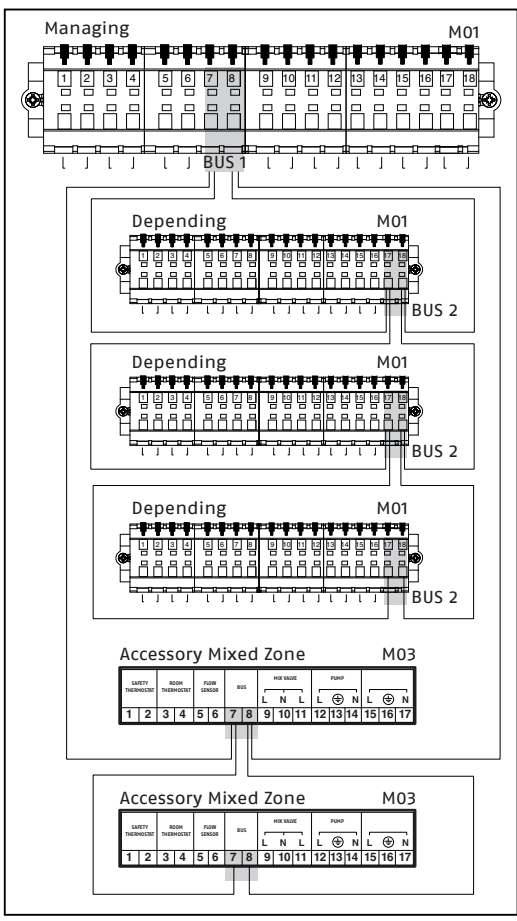
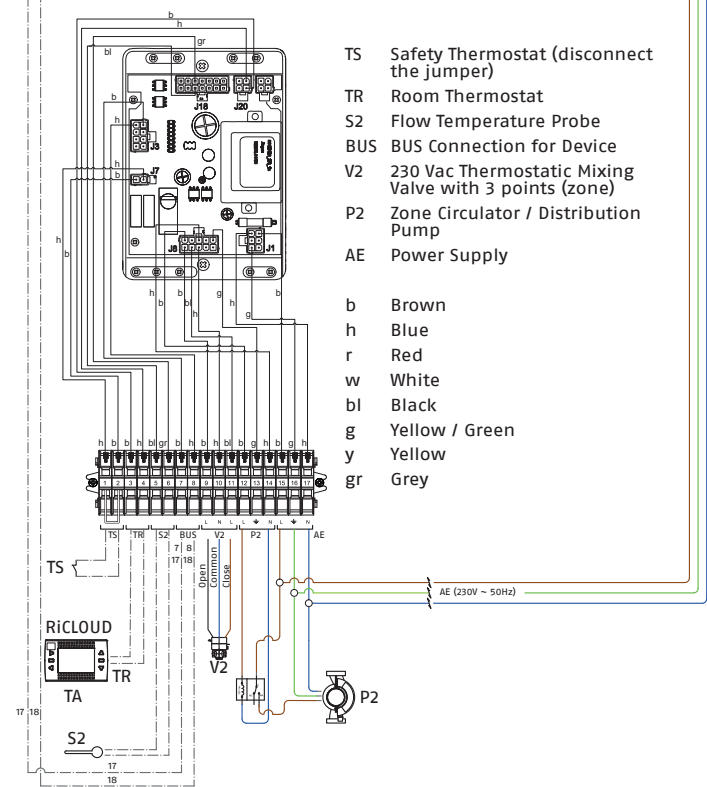
In order to activate SS, set DIP switch 1 to ON (J14 = Mother Board).

D.2.2 - WIRING DIAGRAM (DEPENDING)



ELECTRONIC ZONE MANAGEMENT DEVICE

Electronic Kit for Management of Single Direct Zone or Additional Mixed Zone (Max. 16)



M01 – LOW VOLTAGE TERMINAL BOARD

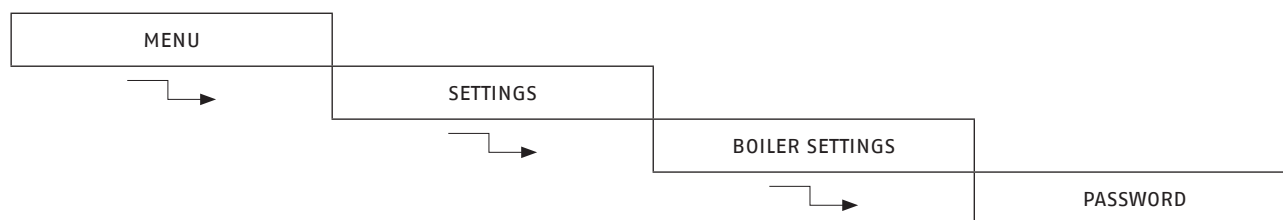
0-10V	0-10 Volt Input
TA	Room Thermostat / Heat Call
24V	24 Volt Output
ModBus	ModBus Output
SB	DHW Storage Tank Temp. Probe (Accessory)
SS	Primary Temp. Probe (Accessory Recommended)
SE	Outdoor Temp. Probe (Accessory)
PWM	PWM Signal Output Connection (*)
CR	Remote Control

(*) For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is fitted as standard; for other models, the shunt pump is provided as an accessory with connections to be executed by the installer.

(**) Valid configuration for thermal modules without shunt pump OR having their own 2-way valve, connected in cascade and equipped with primary system circulator. For more information, see cascade installation manual.

M02 – HIGH VOLTAGE TERMINAL BOARD

PB	DHW Storage Cylinder Circulator / 3-way valve / 2-way valve
PC	Thermal Module Circulator (*)
AL	Alarm Output
AE	Power Supply
PI	Central Heating System Pump
(ACS)	DHW Storage Cylinder Circulator – Do not use with this configuration (**)

D.3 – MAIN PARAMETERS
WORKFLOW TO REACH PASSWORD

PASSWORD 0300 INSTALLER
MANAGING

DIP SWITCH "S1" = OFF				
J14 – DIP SWITCH "1" = ON (The feedback from temp. probe "SS" is requested – Terminal board M01 pin 11-12)				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	1	CH Mode	0-1-2-3-4-5	CH Mode: 0 - Central Heating demand 1 - CH with an outdoor NTC probe and thermostat control 2 - CH with an outdoor NTC probe, thermostat control and night reduction 3 - CH with permanent heat demand and night reduction 4 - CH with 0-10 V input control of set-point
M1	35	DHW Mode	0 - Disabled 1 - Tank + Sensor 2 - Tank + Thermostat	DHW mode: 0 - No Domestic Hot Water 1 - Storage Tank with Sensor 2 - Storage Tank with Thermostat
M3	73	Boiler Address	0 - Stand-alone 1 - Managing 2 - Dependent	1 - MANAGING – FEEDBACK TEMP. PROBE "SC" REQUESTED. "SC" MUST BE CONNECTED TO THE FIRST DEPENDING GAS FIRED BOILER TO PINS "11-12"
M2	147	Number of Units	0...8	Defines the number of modules of which the cascade consists. IN THIS SCENARIO SET TO "3" GAS FIRED BOILERS
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) – Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation

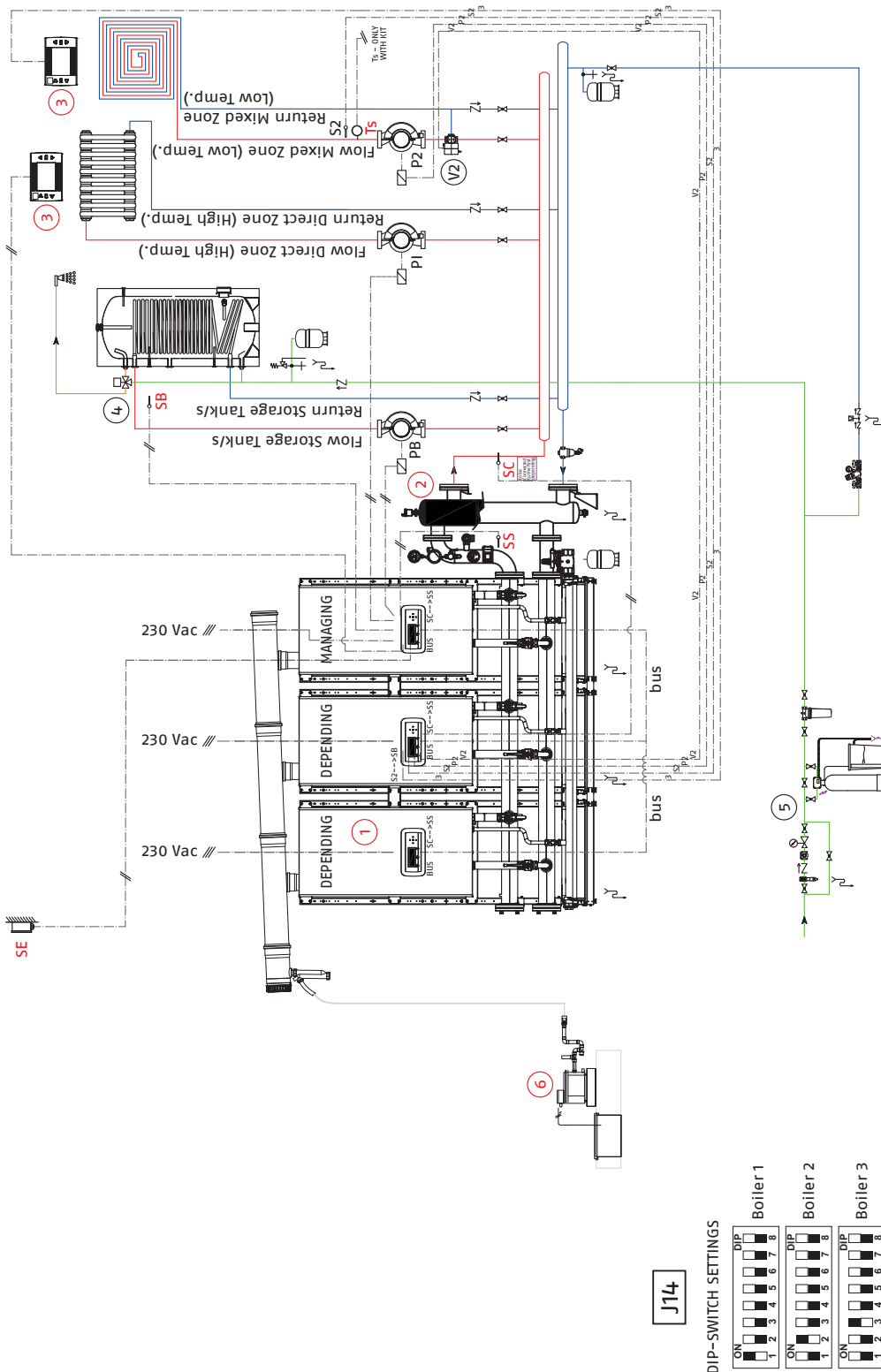
DEPENDING 1

DIP SWITCH "S1" = OFF				
J14 – DIP SWITCH "2" = ON ("SC" TEMPERATURE PROBE CONNECTED TO M01 pins 11-12)				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) – Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation

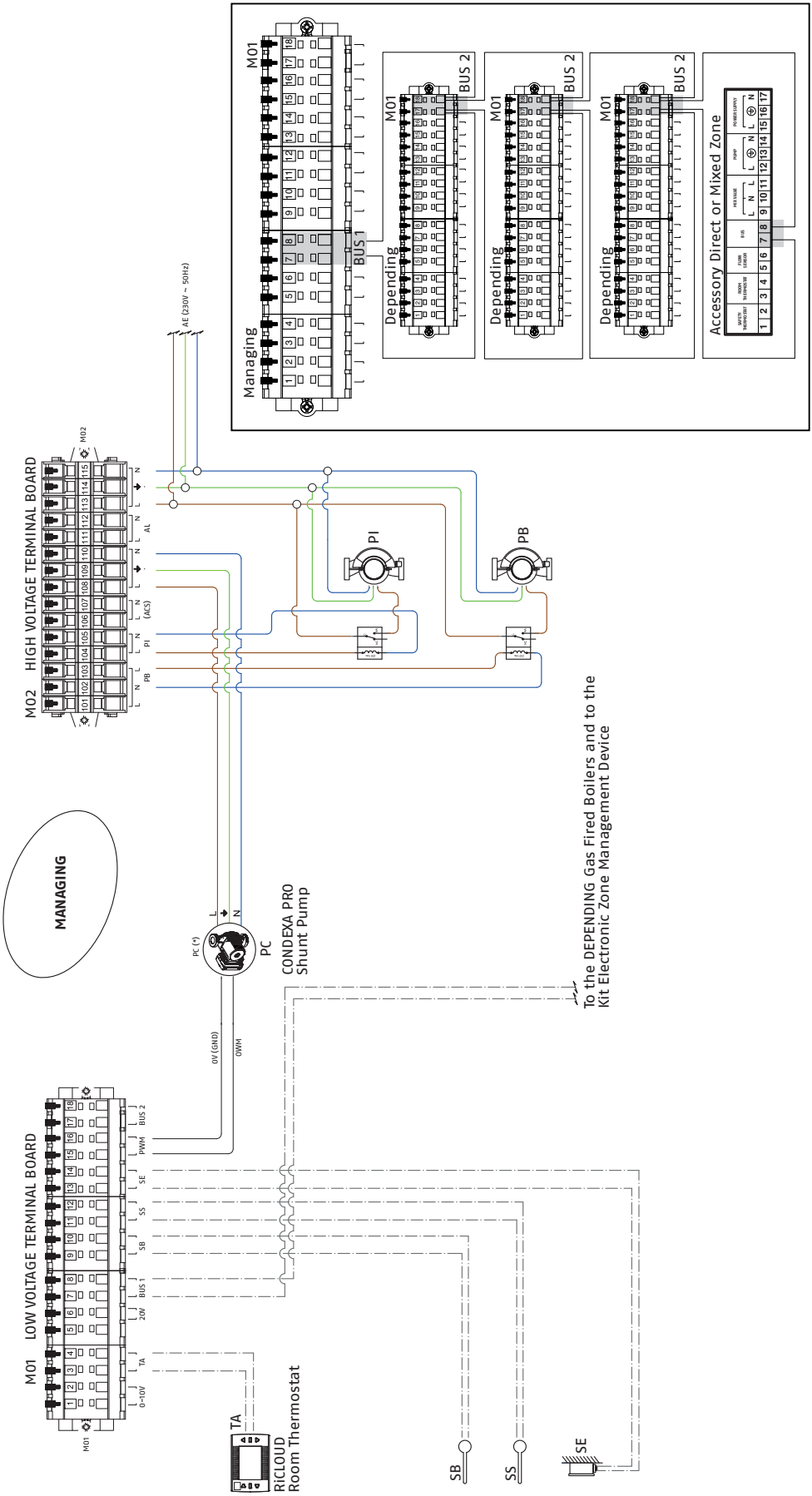
DEPENDING 2

DIP SWITCH "S1" = OFF				
J14 – DIP SWITCH "3" = ON				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) – Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation

E CASCADE APPLICATION FOR 1 DIRECT ZONE AND 1 MIXED ZONE VIA DEPENDING UNITS MANAGEMENT, AND DHW PRODUCTION VIA DHW TANK
E.1 - HYDRAULIC SCHEME



E.2.1 - WIRING DIAGRAM (MANAGING)



M01 - LOW VOLTAGE TERMINAL BOARD

0-10V	0-10 Volt Input
TA	Room Thermostat / Heat Call
24V	24 Volt Output
ModBus	ModBus Output
SB	DHW Storage Tank Temp. Probe (Accessory)

M02 - HIGH VOLTAGE TERMINAL BOARD

PB	DHW Storage Cylinder Circulator / 3-way valve / 2-way valve
PC	Thermal Module Circulator (*)
AL	Alarm Output
AE	Power Supply

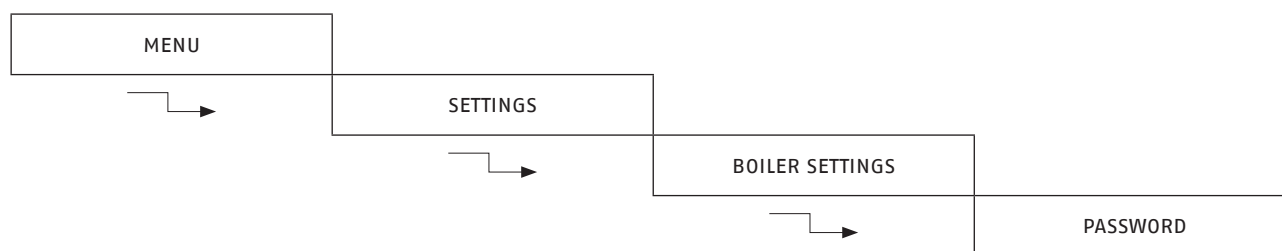
(*) For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is fitted as standard; for other models, the shunt pump is provided as an accessory with connections to be executed by the installer.

(**) Valid configuration for thermal modules without shunt pump OR having their own 2-way valve, connected in cascade and equipped with primary system circulator. For more information, see cascade installation manual.

In order to activate SS, set DIP switch 1 to ON (J14 = Mother Board).

E.3 – MAIN PARAMETERS

WORKFLOW TO REACH PASSWORD



PASSWORD 0300 INSTALLER

MANAGING

DIP SWITCH "S1" = OFF				
J14 - DIP SWITCH "1" = ON (The feedback from temp. probe "SS" is requested - Terminal board M01 pin 11-12)				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	1	CH Mode	0-1-2-3-4-5	CH Mode: 0 - Central Heating demand 1 - CH with an outdoor NTC probe and thermostat control 2 - CH with an outdoor NTC probe, thermostat control and night reduction 3 - CH with permanent heat demand and night reduction 4 - CH with 0-10 V input control of set-point
M1	35	DHW Mode	0 - Disabled 1 - Tank + Sensor 2 - Tank + Thermostat	DHW mode: 0 - No Domestic Hot Water 1 - Storage Tank with Sensor 2 - Storage Tank with Thermostat
M3	73	Boiler Address	0 - Stand-alone 1 - Managing 2 - Dependent	1 - MANAGING - FEEDBACK TEMP. PROBE "SC" REQUESTED. "SC" MUST BE CONNECTED TO THE FIRST DEPENDING GAS FIRED BOILER TO PINS "11-12"
M2	147	Number of Units	0...8	Defines the number of modules of which the cascade consists. IN THIS SCENARIO SET TO "3" GAS FIRED BOILERS
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) - Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation

DEPENDING 1

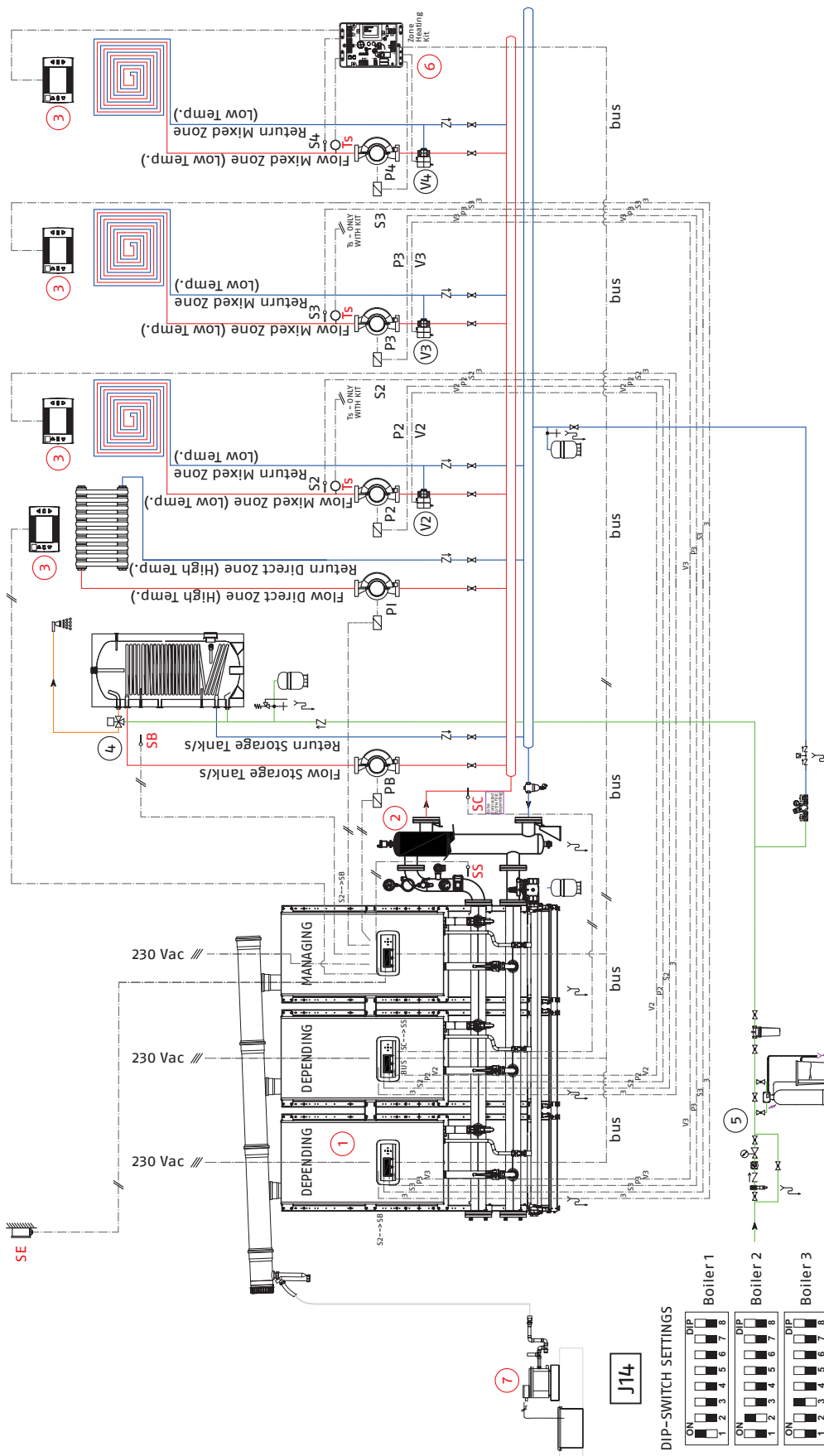
DIP SWITCH "S1" = OFF				
J14 - DIP SWITCH "2" = ON (" SC " TEMPERATURE PROBE CONNECTED TO M01 pins 11-12)				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) - Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation
M2	205	DEP. Zone Control	0 = Disabled 1 = Enabled	CHANGE FROM "0" TO "1" (ENABLE)
M4	97	Model	1...2/8...9	SET "9" - PUMP

DEPENDING 2

DIP SWITCH "S1" = OFF				
J14 - DIP SWITCH "3" = ON				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) - Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation
M2	205	DEP. Zone Control	0 = Disabled 1 = Enabled	CHANGE FROM "0" TO "1" (ENABLE)
M4	97	Model	1...2/8...9	SET "9" - PUMP

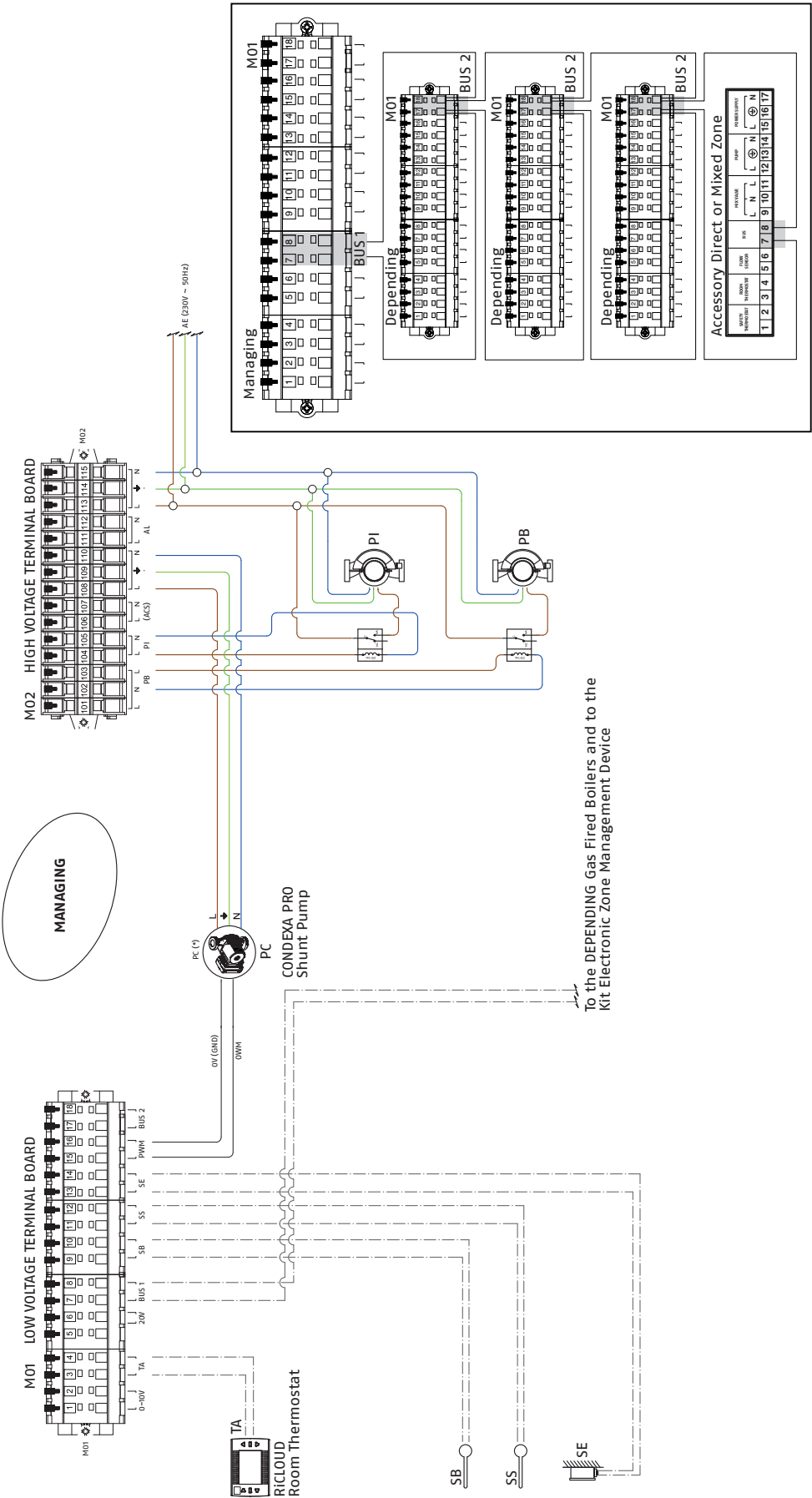
F CASCADE APPLICATION FOR 1 DIRECT ZONE AND 3 MIXED ZONES VIA DEPENDING UNITS MANAGEMENT AND KIT ZONE HEATING, AND DHW PRODUCTION VIA DHW TANK

F.1 - HYDRAULIC SCHEME



- THE SCHEME SHOWN IS SOLELY FOR INDICATION PURPOSES ONLY**
- LEGEND:**
- SE: Outdoor Sensor (Accessory)
 - SB: DHW Storage Tank (Accessory)
 - SC: Cascade or Secondary Temp. Probe
 - SS: Primary Temp. Probe - Mandatory for Cascade Management
 - TS: Safety Thermostat
 - V2: 230 Vac Thermodynamic Mixing Valve with 3 points (zone)
 - 230 Vac Relay with Changeover Contact
- COMPONENTS:**
- 6: Electronic Kit for Management of Single Direct Zone or Additional Mixed Zone (Max. 16)
 - 7: Condensate Neutralizer
 - PB: DHW Storage Tank Pump
 - PI: Central Heating System Pump
 - P2: Low Temperature Pump Managed by External Management Kit
- DIP-SWITCH SETTINGS:**
- Boiler 1:** ON, 1, 2, 3, 4, 5, 6, 7, 8
- Boiler 2:** ON, 1, 2, 3, 4, 5, 6, 7, 8
- Boiler 3:** ON, 1, 2, 3, 4, 5, 6, 7, 8
- J14:** ON, 1, 2, 3, 4, 5, 6, 7, 8

F.2.1 - WIRING DIAGRAM (MANAGING)



M01 - LOW VOLTAGE TERMINAL BOARD

- 0-10V 0-10 Volt Input
- TA Room Thermostat / Heat Call
- 24V 24 Volt Output
- ModBus ModBus Output
- SB DHW Storage Tank Temp. Probe (Accessory)

M02 - HIGH VOLTAGE TERMINAL BOARD

- PB DHW Storage Cylinder Circulator / Circulator
- PC Thermal Module Circulator (*)
- AL Alarm Output
- AE Power Supply

- SS Primary Temp. Probe (Accessory Recommended)
- SE Outdoor Temp. Probe (Accessory)
- PWM PWM Signal Output Connection (*)
- CR Remote Control

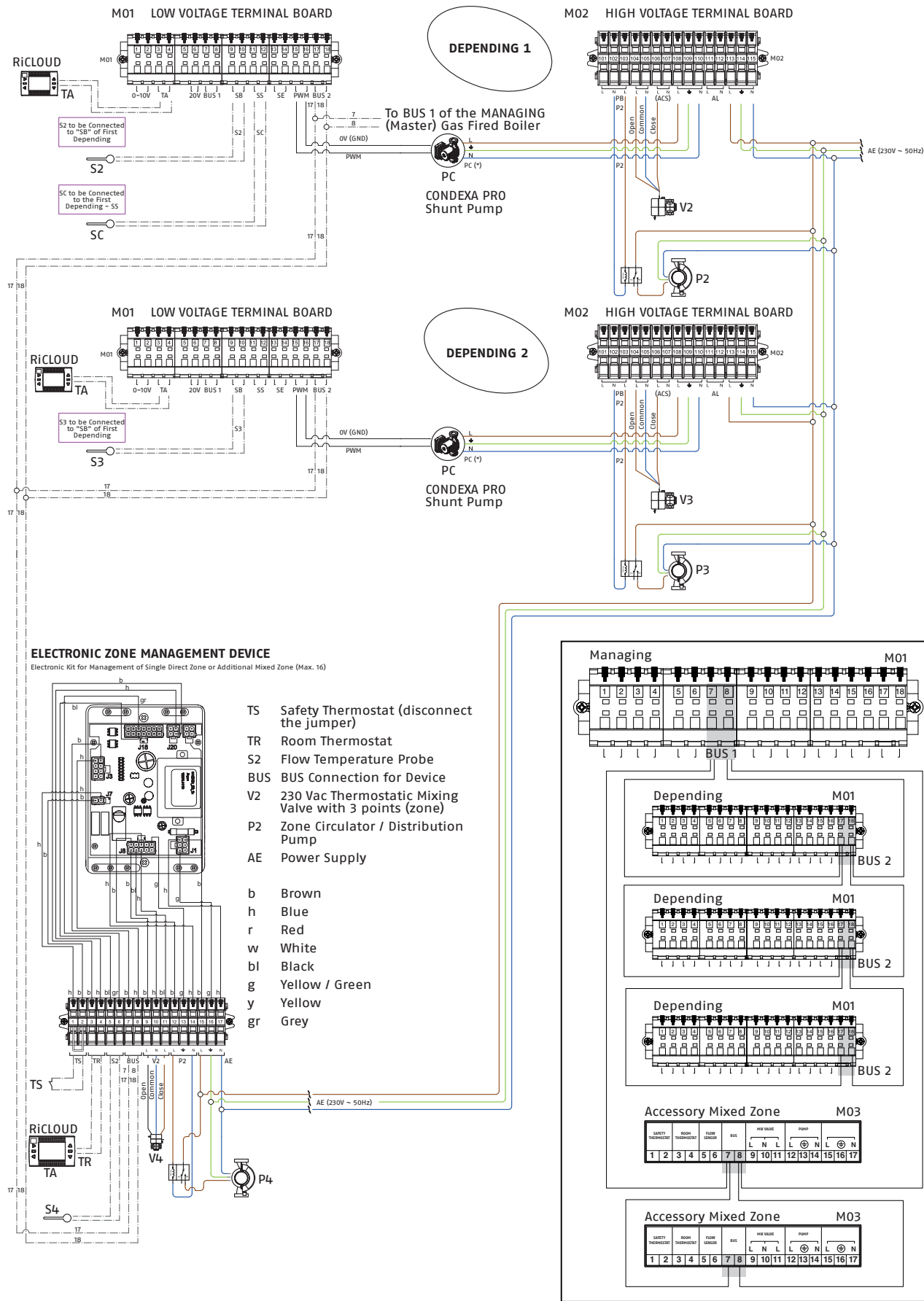
- (ACS) DHW Storage Cylinder Circulator - Do not use with this configuration (**)
- PI Central Heating System Pump

(*) For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is fitted as standard; for other models, the shunt pump is provided as an accessory with connections to be executed by the installer.

(**) Valid configuration for thermal modules without shunt pump OR having their own 2-way valve, connected in cascade and equipped with primary system circulator. For more information, see cascade installation manual.

In order to activate SS, set DIP switch 1 to ON (J14 = Mother Board).

F.2.2 - WIRING DIAGRAM (DEPENDING)



M01 – LOW VOLTAGE TERMINAL BOARD

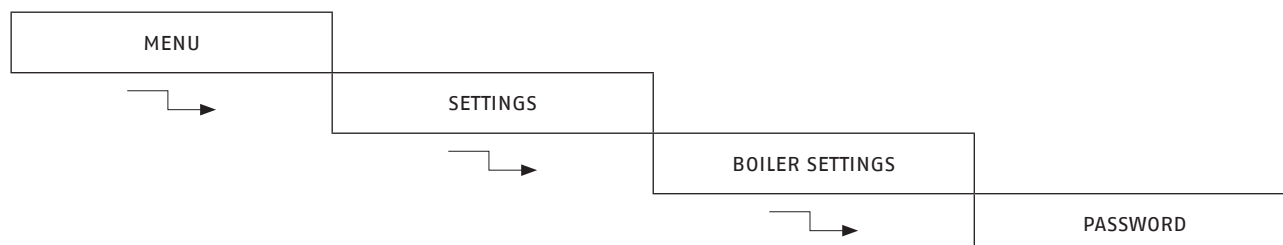
0-10V	0-10 Volt Input
TA	Room Thermostat / Heat Call
24V	24 Volt Output
ModBus	ModBus Output
SB	DHW Storage Tank Temp. Probe (Accessory)
SS	Primary Temp. Probe (Accessory Recommended)
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PWM	PWM Signal Output Connection (*)
CR	Remote Control

(*) For models CONDEXA PRO 35 P ÷ CONDEXA PRO 70 P the shunt pump is fitted as standard; for other models, the shunt pump is provided as an accessory with connections to be executed by the installer.

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M02 – HIGH VOLTAGE TERMINAL BOARD

PB	DHW Storage Cylinder Circulator / 3-way valve / 2-way valve
PC	Thermal Module Circulator (*)
AL	Alarm Output
AE	Power Supply
PI	Central Heating System Pump
(ACS)	DHW Storage Cylinder Circulator – Do not use with this configuration (**)

F.3 – MAIN PARAMETERS
WORKFLOW TO REACH PASSWORD

PASSWORD 0300 INSTALLER
MANAGING

DIP SWITCH "S1" = OFF				
J14 – DIP SWITCH "1" = ON (The feedback from temp. probe "SS" is requested – Terminal board M01 pin 11-12)				
Menu	Par. No.	Nr. Displayed	Range	Description
M1	1	CH Mode	0-1-2-3-4-5	CH Mode: 0 – Central Heating demand 1 – CH with an outdoor NTC probe and thermostat control 2 – CH with an outdoor NTC probe, thermostat control and night reduction 3 – CH with permanent heat demand and night reduction 4 – CH with 0-10 V input control of set-point
M1	35	DHW Mode	0 – Disabled 1 – Tank + Sensor 2 – Tank + Thermostat	DHW mode: 0 – No Domestic Hot Water 1 – Storage Tank with Sensor 2 – Storage Tank with Thermostat
M3	73	Boiler Address	0 – Stand-alone 1 – Managing 2 – Dependent	1 – MANAGING – FEEDBACK TEMP. PROBE "SC" REQUESTED. "SC" MUST BE CONNECTED TO THE FIRST DEPENDING GAS FIRED BOILER TO PINS "11-12"
M2	147	Number of Units	0...8	Defines the number of modules of which the cascade consists. IN THIS SCENARIO SET TO "3" GAS FIRED BOILERS
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFAULT IS 5°C) – Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation

DEPENDING 1

DIP SWITCH "S1" = OFF

J14 - DIP SWITCH "2" = ON ("**SC**" TEMPERATURE PROBE CONNECTED TO M01 pins 11-12)

Menu	Par. No.	Nr. Displayed Display	Range	Description
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFALUT IS 5°C) - Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation
M2	205	DEP. Zone Control	0 = Disabled 1 = Enabled	CHANGE FROM "0" TO "1" (ENABLE)
M4	97	Model	1...2/8...9	SET "9" - PUMP

DEPENDING 2

DIP SWITCH "S1" = OFF

J14 - DIP SWITCH "3" = ON

Menu	Par. No.	Nr. Displayed Display	Range	Description
M1	7	CH Hysteresis	0...20 °C	SET TO 10°C (DEFALUT IS 5°C) - Sets the value in degrees beyond the set-point at which the burner switches off for thermoregulation
M2	205	DEP. Zone Control	0 = Disabled 1 = Enabled	CHANGE FROM "0" TO "1" (ENABLE)
M4	97	Model	1...2/8...9	SET "9" - PUMP

FLUE GUIDANCE AND SYSTEM DIMENSIONS

THIS SECTION CONTAINS SOME INDICATIONS ABOUT THE SIZING OF FLUE OPTIONS
AND SOME EXAMPLES OF SYSTEM DIMENSIONS IN DETAIL,
BOTH AS STAND-ALONE AND CASCADE CONFIGURATIONS.
FOR FURTHER INFORMATION PLEASE CONTACT RIELLO PRE-SALES DEPT.

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A. - STAND-ALONE LAYOUT	96
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FLUE GUIDANCE

FLUE GAS CHIMNEY EQUIVALENT LENGTHS

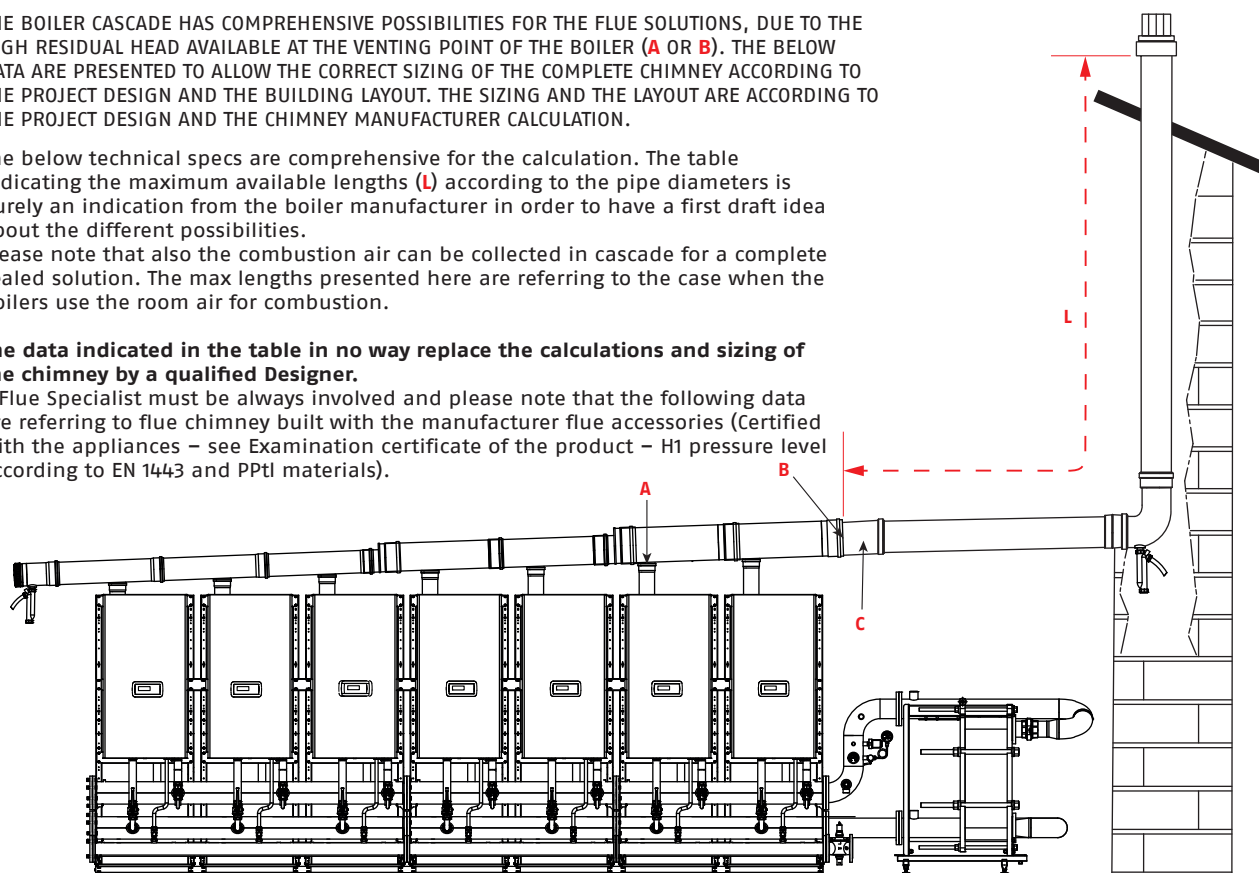
THE BOILER CASCADE HAS COMPREHENSIVE POSSIBILITIES FOR THE FLUE SOLUTIONS, DUE TO THE HIGH RESIDUAL HEAD AVAILABLE AT THE VENTING POINT OF THE BOILER (A OR B). THE BELOW DATA ARE PRESENTED TO ALLOW THE CORRECT SIZING OF THE COMPLETE CHIMNEY ACCORDING TO THE PROJECT DESIGN AND THE BUILDING LAYOUT. THE SIZING AND THE LAYOUT ARE ACCORDING TO THE PROJECT DESIGN AND THE CHIMNEY MANUFACTURER CALCULATION.

The below technical specs are comprehensive for the calculation. The table indicating the maximum available lengths (L) according to the pipe diameters is purely an indication from the boiler manufacturer in order to have a first draft idea about the different possibilities.

Please note that also the combustion air can be collected in cascade for a complete sealed solution. The max lengths presented here are referring to the case when the boilers use the room air for combustion.

The data indicated in the table in no way replace the calculations and sizing of the chimney by a qualified Designer.

A Flue Specialist must be always involved and please note that the following data are referring to flue chimney built with the manufacturer flue accessories (Certified with the appliances – see Examination certificate of the product – H1 pressure level according to EN 1443 and PPTI materials).



KEY: **A** = Venting point **B** = Venting point **C** = Eccentric Adapter (if necessary)* **L** = Maximum flue length (87° bend not included)

*When the increment of diameter is necessary, always include eccentric adapter to avoid the condensate stagnation.

Eccentric adapters are available according the diameters 20132391-20132393-20062566-20062606-20132393-20158581-20158582-20158598 (refer to the section SYSTEM CONFIGURATION GUIDE, "cascade application flues" paragraph).

TECHNICAL SPECIFICATIONS FOR CHIMNEY SOFTWARE

Description	unit	CONDEXA PRO					
		57 P	70 P	90	100	115	135
Heat Input net nominal maximum	kW	57	68	90	97	112	131
Heat Input gross nominal maximum	kW	63	76	100	108	124	146
Heat Output nominal maximum @ 80°C/60°C	kW	55,7	67,0	88,3	95,2	109,8	129,0
Heat Output nominal maximum @ 50°C/30°C	kW	61,9	73,9	97,4	105,1	121,1	142,1
Heat Input net minimum	kW	14,0	14,0	19,4	19,4	22,4	26,2
Heat Input gross minimum	kW	15,0	15,0	21,6	21,6	24,9	29,2
Heat Output minimum @ 80°C/60°C	kW	13,5	13,5	19,2	19,2	22,1	26,0
Heat Output minimum @ 50°C/30°C	kW	14,9	14,9	21,1	21,1	24,5	28,9
Flue and Air* exit size	mm	80/80	80/80	110/110	110/110	110/110	110/110
Mass Flow Rate @ max output	Kg/sec	0,025	0,030	0,040	0,046	0,050	0,060
Mass Flow Rate @ min output	Kg/sec	0,007	0,007	0,007	0,007	0,010	0,011
Flue Temperature max value	°C	71	70	76	78	75	77
Flue Temperature min value	°C	33	33	35	35	33	35
Max Backpressure @ max output (A or B point)**	Pa	510	630	560	610	500	353
Max Backpressure @ min output (A or B point)**	Pa	35	35	32	32	30	28
CO ₂ @ max output (high)	%	9,0	9,0	9,0	9,0	9,0	9,0
CO ₂ @ min output (low)	%	9,0	9,0	9,0	9,0	9,0	9,0
Required Air (Factor Beta)		0,9	0,9	0,9	0,9	0,9	0,9
Internal Non-return valve		Yes, built in	Yes, built in	Yes, built in	Yes, built in	Yes, built in	Yes, built in

* In case room sealed installed (Transformation Kit – TYPE C: code 20131665 for 57 P – 70 P ; code 20131668 for 90 – 100 – 115 – 135).

** The backpressure values are the same at the points A and B as indicated in the above cascade sample drawing. The FLUE NON-RETURN VALVE "clapet" is embedded inside the flue conveyor at the bottom of the appliances.

MAXIMUM LINEAR FLUE LENGTH (m)

L = Maximum linear flue length (m) - (87° bend not included)

TOTAL installed power [kW] useful heat output 80°/60°C	CASCADE COMPOSED OF:	Flue diameter						
		Ø 110 mm	Ø 130 mm	Ø 150 mm	Ø 160 mm	Ø 200 mm	Ø 250 mm	Ø 300 mm
130 ÷ 180 kW	2 x CONDEXA PRO 70 P	60	65	70	75	80	-	-
	2 x CONDEXA PRO 90	41	45	50	60	65	-	-
200 ÷ 260 kW	2 x CONDEXA PRO 100	39	67	70	75	80	-	-
	2 x CONDEXA PRO 115	30	48	80	81	85	-	-
	2 x CONDEXA PRO 135	16	33	50	62	70	-	-
270 ÷ 390 kW	3 x CONDEXA PRO 90	25	43	70	90	-	-	-
	4 x CONDEXA PRO 90	15	32	48	60	-	-	-
	3 x CONDEXA PRO 100	23	40	65	83	-	-	-
	4 x CONDEXA PRO 100	14	31	45	56	-	-	-
	3 x CONDEXA PRO 115	15	31	47	59	-	-	-
	3 x CONDEXA PRO 135	-	18	32	38	82	-	-
400 ÷ 550 kW	5 x CONDEXA PRO 100	-	21	36	43	94	-	-
	4 x CONDEXA PRO 115	-	20	35	41	90	-	-
	5 x CONDEXA PRO 115	-	13	26	33	66	-	-
	4 x CONDEXA PRO 135	-	11	21	28	55	-	-
550 ÷ 700 kW	6 x CONDEXA PRO 100	-	15	30	35	73	-	-
	7 x CONDEXA PRO 100	-	12	23	31	59	-	-
	6 x CONDEXA PRO 115	-	-	19	26	52	-	-
	5 x CONDEXA PRO 135	-	-	14	19	42	93	-
700 ÷ 900 kW	8 x CONDEXA PRO 100	-	-	18	24	50	-	-
	7 x CONDEXA PRO 115	-	-	15	20	43	96	-
	8 x CONDEXA PRO 115	-	-	12	16	38	79	-
	6 x CONDEXA PRO 135	-	-	-	14	35	72	-
	7 x CONDEXA PRO 135	-	-	-	11	30	59	-
900 ÷ 1160 kW	9 x CONDEXA PRO 115	-	-	-	13	33	67	-
	10 x CONDEXA PRO 115	-	-	-	11	30	59	-
	8 x CONDEXA PRO 135	-	-	-	-	24	49	97
	9 x CONDEXA PRO 135	-	-	-	-	20	43	81
1200 ÷ 1420 kW	11 x CONDEXA PRO 115	-	-	-	-	26	52	-
	12 x CONDEXA PRO 115	-	-	-	-	22	47	90
	10 x CONDEXA PRO 135	-	-	-	-	16	38	70
	11 x CONDEXA PRO 135	-	-	-	-	14	35	62

 Recommended solution.

The values presented in the table above must always be validated by the project specifier and by specific flue calculation software of the chimney manufacturer.

Values just for indication purpose. In case of specific projects, please contact Riello Pre-sales Dept.

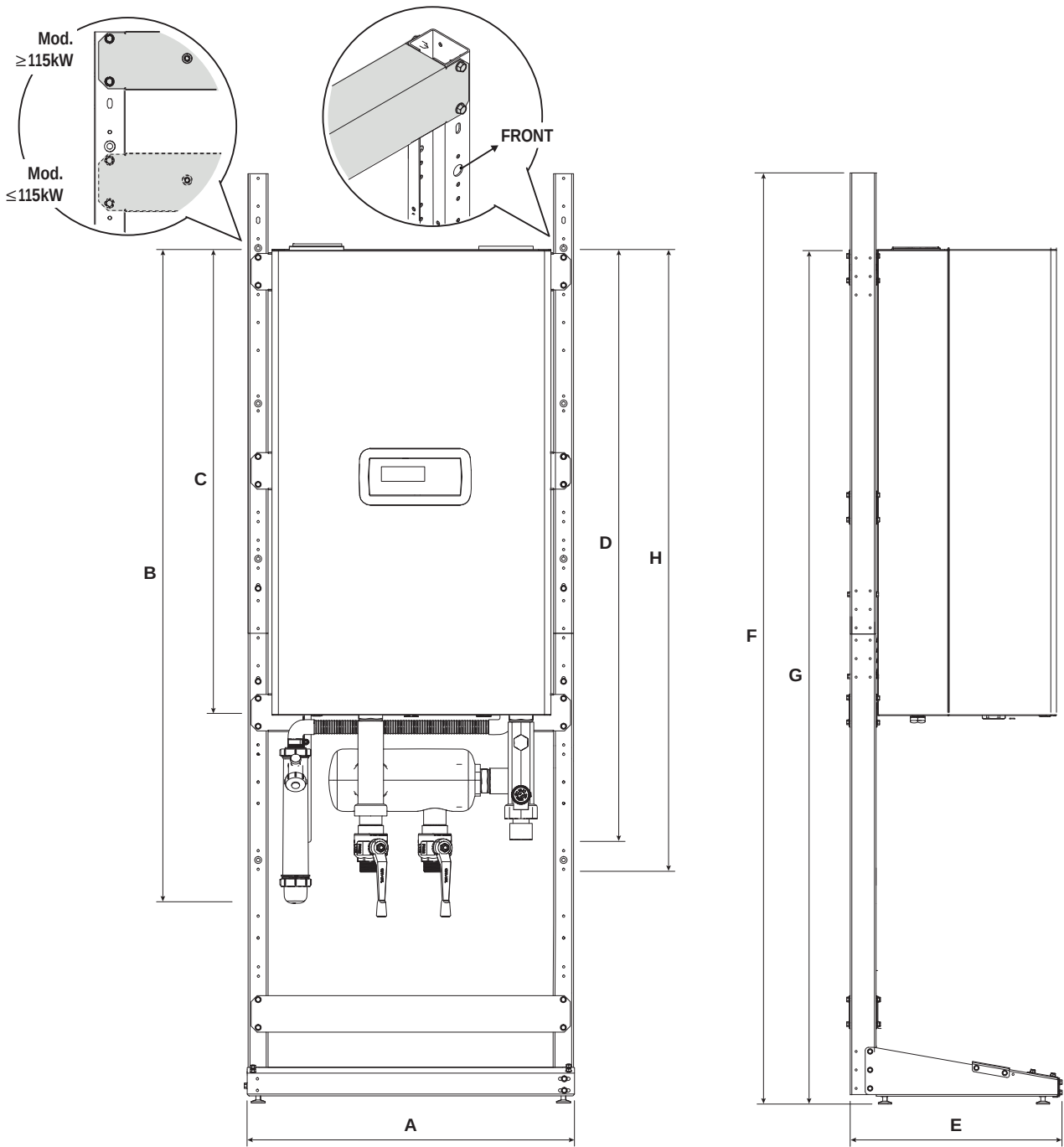
EQUIVALENT REDUCTION LENGTH OF THE LINEAR VALUE IN CASE OF COMPONENT INTRODUCTION

Component	Flue diameter						
	Ø 110 mm	Ø 130 mm	Ø 150 mm	Ø 160 mm	Ø 200 mm	Ø 250 mm	Ø 300 mm
45° bend	2,0	2,5	3,0	3,0	4,0	6,0	7,5
87° bend	3,0	4,0	4,5	5,0	7,0	9,5	12,5
T joint	5,0	6,0	7,5	8,5	11,5	16,0	21,0

EXAMPLE: 5 x CONDEXA PRO 135, using Ø 200 mm pipe, with introduction of 1 x 87° bend and 2 x 45° bends
= 42 m - 1 x 7,0 - 2 x 4,0 = 27 m Linear available

EXAMPLES OF LAYOUTS WITH DIMENSIONS

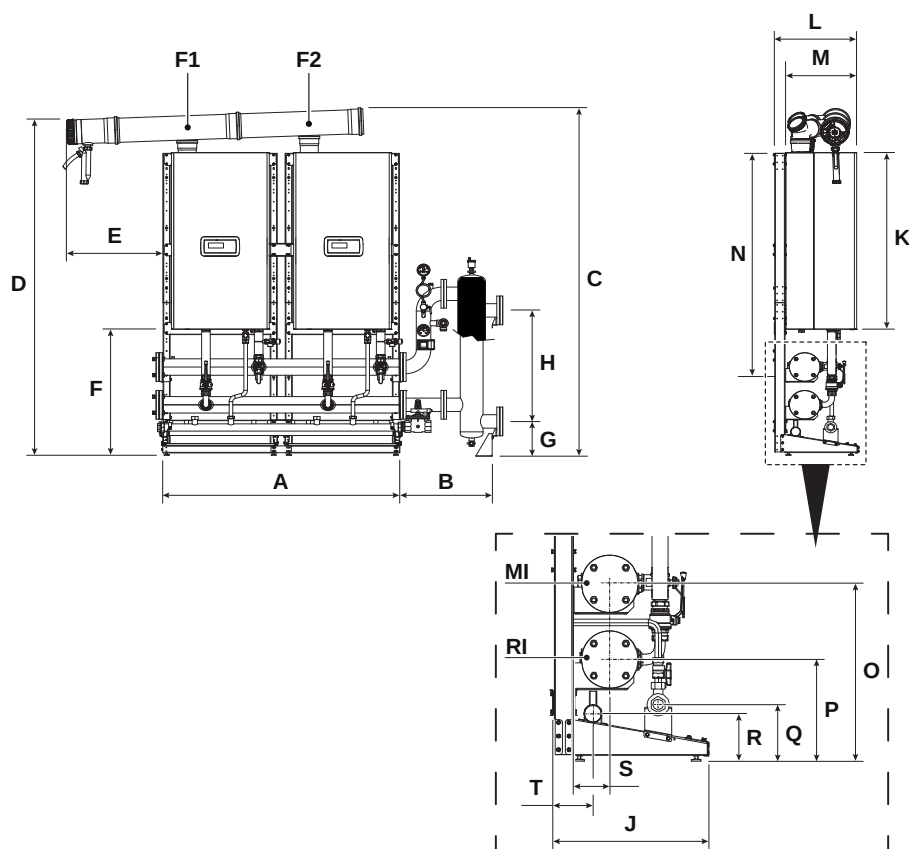
A. STAND-ALONE LAYOUT



Description	unit	CONDEXA PRO							
		35 P	50 P	57 P	70 P	90	100	115	135
A	mm	700	700	700	700	700	700	700	700
B	mm	1452	1452	1452	1452	1452	1452	1615	1615
C	mm	1010	1010	1010	1010	1010	1010	1173	1173
D	mm	1243	1243	1243	1243	1243	1243	1406	1406
E	mm	525	525	525	525	525	525	525	525
F	mm	2000	2000	2000	2000	2000	2000	2000	2000
G	mm	1844	1844	1844	1844	1844	1844	2007	2007
H	mm	1320	1320	1320	1320	1320	1320	1483	1483

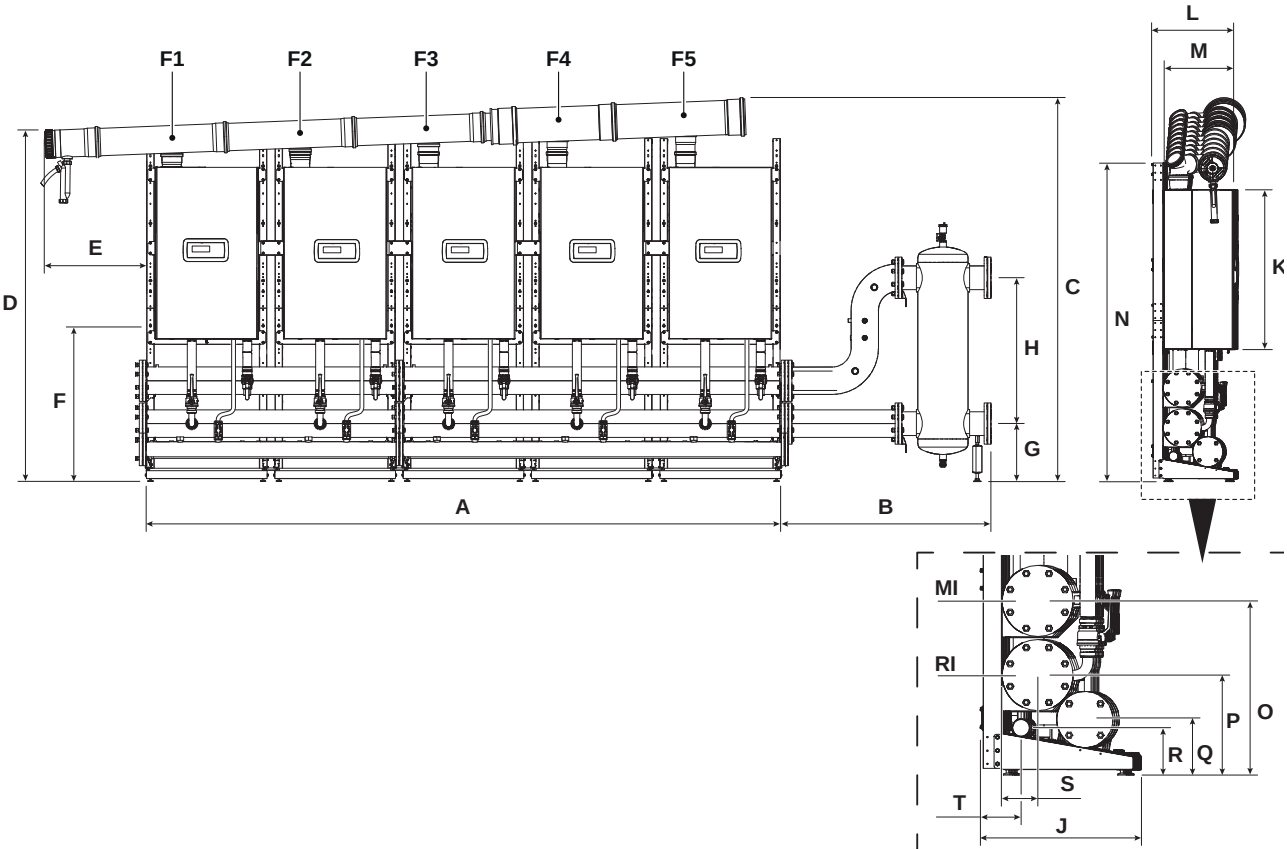
B. CASCADE LAYOUTS

B.1 – Linear cascade lay-out with 2 boilers



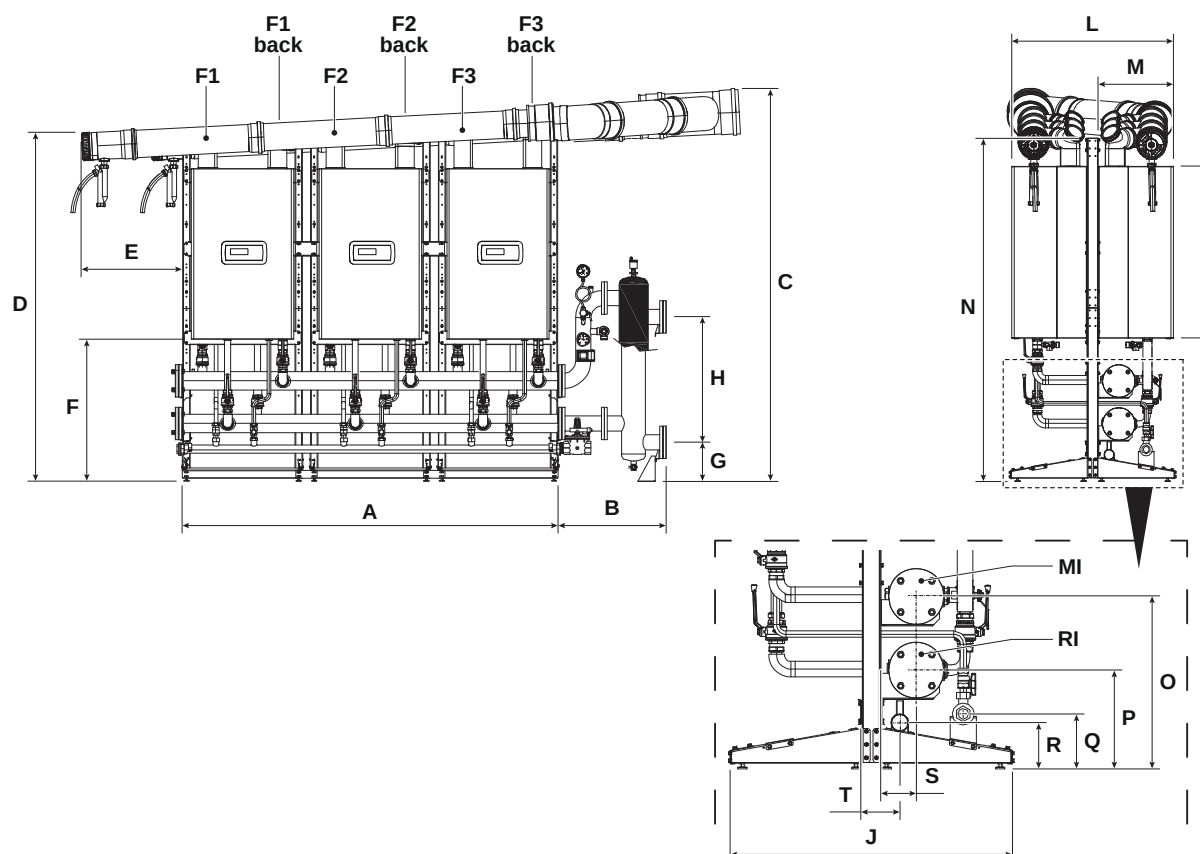
Description	unit	CONDEXA PRO							
		35 P	50 P	57 P	70 P	90	100	115	135
A	mm	1494	1494	1494	1494	1494	1494	1494	1494
B	mm	591	591	591	591	591	591	591	591
C	mm	2275	2275	2131	2131	2131	2131	2301	2301
D	mm	2195	2195	2051	2051	2051	2051	2221	2221
E	mm	594	594	594	594	594	594	594	594
F	mm	834	834	834	834	834	834	834	834
G	mm	230	230	230	230	230	230	230	230
H	mm	735	735	735	735	735	735	735	735
J	mm	525	525	525	525	525	525	525	525
K	mm	1010	1010	1010	1010	1010	1010	1173	1173
L	mm	511	511	511	511	511	511	511	511
M	mm	436	436	436	436	436	436	436	436
N	mm	1999	1999	1999	1999	1999	1999	1999	1999
O	mm	584	584	584	584	584	584	584	584
P	mm	334	334	334	334	334	334	334	334
Q	mm	186	186	186	186	186	186	186	186
R	mm	156	156	156	156	156	156	156	156
S	mm	121	121	121	121	121	121	121	121
T	mm	137	137	137	137	137	137	137	137
F1	mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
F2	mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
RI	inch	Ø 3"							
MI	inch	Ø 3"							

B.2 - Linear cascade lay-out with 5 boilers



Description			CONDEXA PRO							
		unit	35 P	50 P	57 P	70 P	90	100	115	135
A		mm	2988	2988	2988	2988	2988	2988	2988	2988
B	3"	mm	591	591	591	591	591	591	591	591
	5"	mm	1159	1159	1159	1159	1159	1159	1159	1159
C		mm	2334	2334	2190	2190	2190	2190	2382	2382
D		mm	2195	2195	2051	2051	2051	2051	2221	2221
E		mm	594	594	594	594	594	594	594	594
F		mm	834	834	834	834	834	834	834	834
G	3"	mm	230	230	230	230	230	230	230	N.A.
	5"	mm	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	337
H	3"	mm	735	735	735	735	735	735	735	N.A.
	5"	mm	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	850
J		mm	525	525	525	525	525	525	525	525
K		mm	1010	1010	1010	1010	1010	1010	1173	1173
L		mm	511	511	511	511	511	511	511	511
M		mm	436	436	436	436	436	436	436	436
N		mm	1999	1999	1999	1999	1999	1999	1999	1999
O		mm	584	584	584	584	584	584	584	584
P		mm	334	334	334	334	334	334	334	334
Q		mm	186	186	186	186	186	186	186	186
R		mm	156	156	156	156	156	156	156	156
S		mm	121	121	121	121	121	121	121	121
T		mm	137	137	137	137	137	137	137	137
F1		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
F2		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
F3		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
F4		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 200
RI		inch	Ø 3"						Ø 5"	
MI		inch	Ø 3"						Ø 5"	

B.3 – Back-to-back cascade lay-out with 5 and 6 boilers



Description			CONDEXA PRO							
		unit	35 P	50 P	57 P	70 P	90	100	115	135
A		mm	2242	2242	2242	2242	2242	2242	2242	2242
B	3"	mm	591	591	591	591	591	591	591	591
	5"	mm	1159	1159	1159	1159	1159	1159	1159	1159
C		mm	2443	2443	2299	2299	2299	2299	2469	2469
D		mm	2195	2195	2051	2051	2051	2051	2221	2221
E		mm	594	594	594	594	594	594	594	594
F		mm	834	834	834	834	834	834	834	834
G	3"	mm	230	230	230	230	230	230	N.A.	N.A.
	5"	mm	N.A.	N.A.	N.A.	N.A.	337	337	337	337
H	3"	mm	735	735	735	735	735	735	N.A.	N.A.
	5"	mm	N.A.	N.A.	N.A.	N.A.	850	850	850	850
J		mm	969	969	969	969	969	969	969	969
K		mm	1010	1010	1010	1010	1010	1010	1173	1173
L		mm	942	942	942	942	942	942	942	942
M		mm	436	436	436	436	436	436	436	436
N		mm	1999	1999	1999	1999	1999	1999	1999	1999
O		mm	584	584	584	584	584	584	584	584
P		mm	334	334	334	334	334	334	334	334
Q		mm	186	186	186	186	186	186	186	186
R		mm	156	156	156	156	156	156	156	156
S		mm	121	121	121	121	121	121	121	121
T		mm	137	137	137	137	137	137	137	137
F1 – F1 back		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
F2 – F2 back		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
F3 – F3 back		mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160	Ø 160
RI	5 modules	inch	Ø 3"				Ø 3"		Ø 5"	
	6 modules	inch	Ø 3"				Ø 5"		Ø 5"	
MI	5 modules	inch	Ø 3"				Ø 3"		Ø 5"	
	6 modules	inch	Ø 3"				Ø 5"		Ø 5"	

STAND-ALONE CONFIGURATIONS

IN THIS SECTION YOU CAN FIND ALL THE STAND-ALONE CONFIGURATIONS, ORGANISED BY INPUT POWER IN ASCENDING ORDER. THE CONFIGURATIONS ARE BASED ON THE USE OF THE LOW LOSS HEADER, A COMPONENT SPECIFICALLY CONCEIVED FOR STAND-ALONE INSTALLATIONS. FOR THE FLUE OPTIONS AND THE FULL LIST OF AVAILABLE COMPONENTS AND ACCESSORIES, PLEASE REFER TO THE "SYSTEM CONFIGURATION GUIDE" SECTION.

INTEGRATED HORIZONTAL LOW LOSS HEADER KIT FOR STAND-ALONE APPLICATIONS	102
CONDEXA PRO STAND-ALONE CONFIGURATIONS	104

INTEGRATED HORIZONTAL LOW LOSS HEADER KIT FOR STAND-ALONE APPLICATIONS

Riello has developed a specific 4" horizontal low loss header to be placed directly below the boiler, for a fast and labour saving installation. This solution provides direct connection to the Central Heating flow and return and to a remote indirect DHW water tank.

The kit allows the correct water circulation inside the heat exchanger.

Low loss header kit must be always combined with a pump, fitted inside the boiler (in a single stand-alone installation).

Riello offers different solutions containing this component, and one without, as listed below:

- Full Package
- Basic
- Basic with Italian INAIL safety kit
- Direct with Italian INAIL safety kit (no low loss header)

All the combinations provide flow/return connections to the CH and to a remote indirect DHW tank.

All the combinations are fully insulated to reduce heat losses.

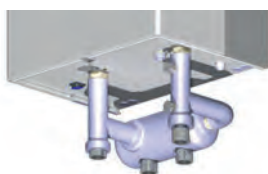


Full Package (all-in-one code)

code 20142219 - SA INSTALLATION KIT FOR STAND-ALONE BOILER

Containing:

- Safety valve 5,4 bar (code 20143981)
- Condensate drain syphon (code 20133102)
- Connection pipe to horizontal low loss header with 2 brass taps (code 20131899)
(Taps for closing the tank connection are not supplied)
- 4" Horizontal low loss header kit 4" (code 20131897)
- 2 Ball valves flow/return.



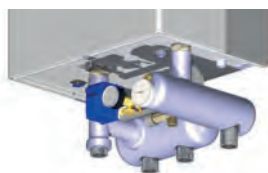
Basic

code 20131899 - CONNECTION PIPE TO HORIZONTAL LOW LOSS HEADER

with 2 brass taps (taps for closing the tank connection are not supplied).

code 20131897 - HORIZONTAL LOW LOSS HEADER KIT

4" Hydraulic separator kit.



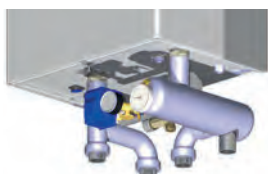
Basic with Italian INAIL safety kit

code 20131898 - MANIFOLD KIT WITH INAIL DEVICES FOR STAND-ALONE BOILER

The kit includes: insulation; safety devices according to INAIL (Italian Safety Certification Institute, type-approved); pressure gauge; temperature gauge; pressure switch; safety valve 5,4 bar INAIL approved; temperature driven gas safety cut-off valve.

code 20131897 - HORIZONTAL LOW LOSS HEADER KIT

4" Hydraulic separator kit.



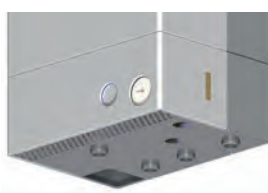
Direct with Italian INAIL safety kit (no low loss header)

code 20131898 - MANIFOLD KIT WITH INAIL DEVICES FOR STAND-ALONE BOILER

The kit includes: insulation; safety devices according to INAIL (Italian Safety Certification Institute, type-approved); pressure gauge; temperature gauge; pressure switch; safety valve 5,4 bar INAIL approved; temperature driven gas safety cut-off valve.

code 20136823 - CONNECTION KIT FOR DIRECT INSTALLATION

for INAIL manifold kit and without low loss header.



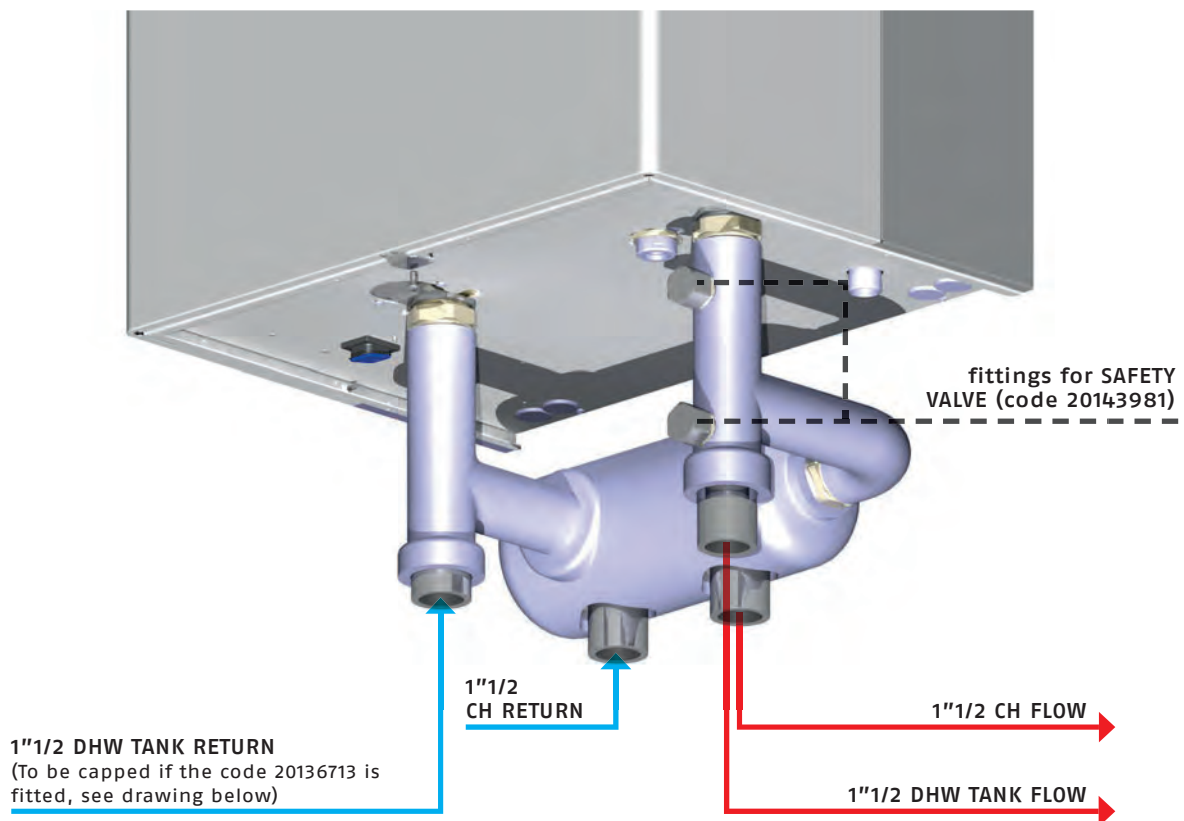
Cover (optional)

code 20133224 - COVER FOR HORIZONTAL LOW LOSS HEADER

For configurations with INAIL Safety Kit, for a superior insulation and to obtain an aesthetically more pleasant system.

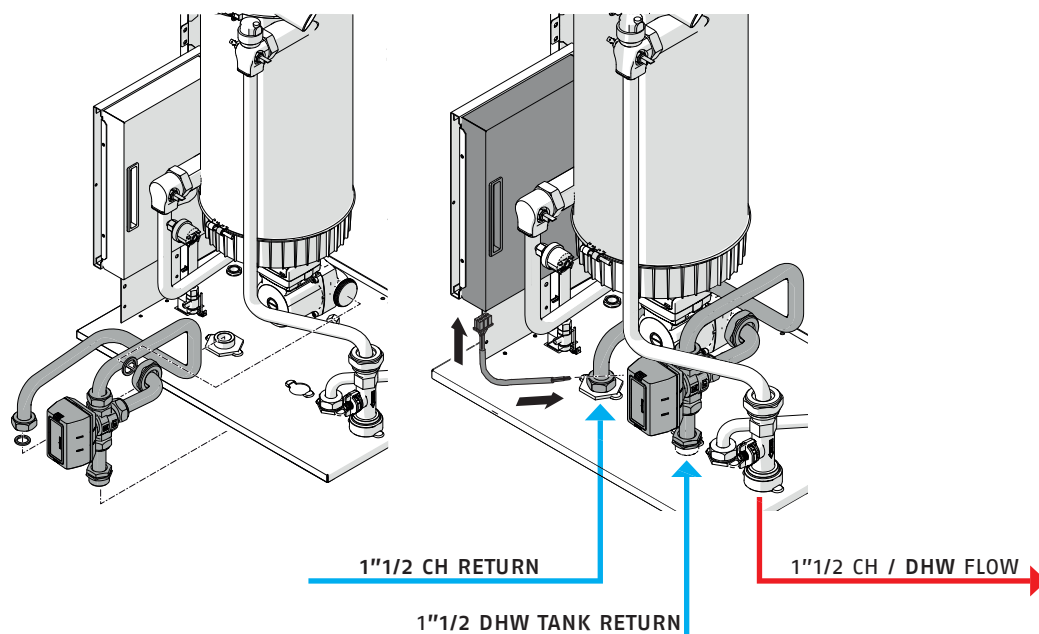
NOTE: INAIL = Italian Safety Certification Institute

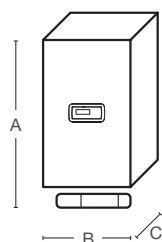
FOCUS ON LOW LOSS HEADER KIT (FOR ALL CONDEXA PRO MODELS)



CONDEXA PRO 35 P / 50 P WITH 3-WAY VALVE KIT FOR DHW PRODUCTION

For the models CONDEXA PRO 35 P / 50 P, it is possible to fit inside the boiler the 3-WAY VALVE KIT FOR DHW PRODUCTION (code 20136713).



34,9 kW
STAND-ALONE CONFIGURATION CONDEXA PRO 38,7(HHV) – 34,9(LHV)

DIMENSIONS

A: 1243 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

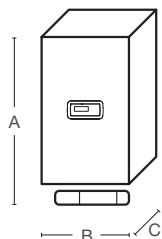
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115221	CONDEXA PRO 35 P (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20143981	SAFETY VALVE 5,4 BAR		1	
20132778	OUTDOOR PROBE		1	
4. SAFETY ACCESSORIES				
20131899	CONNECTION PIPE TO HORIZONTAL LOW LOSS HEADER/PLATE HEAT EXCHANGER KIT FOR STAND-ALONE BOILER		1	
5. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER				
20131897	HORIZONTAL LOW LOSS HEADER KIT FOR STAND-ALONE BOILER		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
20139239	EXPANSION VESSEL KIT FOR STAND-ALONE BOILERS 35 P / 50 P		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20136713	3-WAY VALVE KIT FOR DHW PRODUCTION FOR 35 P AND 50 P		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20132365	KIT IPX5D FOR OUTDOOR INSTALLATION 35÷70		1	

STAND-ALONE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	34,9 kW	45 kW	57 kW
STAND-ALONE APPLICATION – Price (€)	100%		

45 kW**STAND-ALONE CONFIGURATION CONDEXA PRO 50(HHV) - 45(LHV)****DIMENSIONS**

A: 1243 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

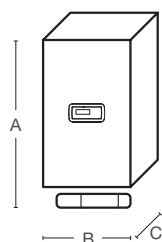
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115222	CONDEXA PRO 50 P (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20143981	SAFETY VALVE 5,4 BAR		1	
20132778	OUTDOOR PROBE		1	
4. SAFETY ACCESSORIES				
20131899	CONNECTION PIPE TO HYDRAULIC SEPARATOR KIT FOR STAND-ALONE BOILER		1	
5. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER				
20131897	HORIZONTAL LOW LOSS HEADER KIT FOR STAND-ALONE BOILER		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
20139239	EXPANSION VESSEL KIT FOR STAND-ALONE BOILERS 35 P / 50 P		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20136713	3-WAY VALVE KIT FOR DHW PRODUCTION FOR 35 P AND 50 P		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20132365	KIT IPX5D FOR OUTDOOR INSTALLATION 35÷70		1	

STAND-ALONE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	39,9 kW	45 kW	57 kW	68 kW
STAND-ALONE APPLICATION - Price (€)		100%		


DIMENSIONS

A: 1243 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

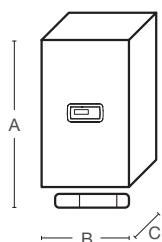
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115223	CONDEXA PRO 57 P (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20132778	OUTDOOR PROBE		1	
20142219	SA INSTALLATION KIT FOR STAND-ALONE BOILER		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20132365	KIT IPX5D FOR OUTDOOR INSTALLATION 35÷70		1	

STAND-ALONE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	39,9 kW	45 kW	57 kW	68 kW	90 kW
STAND-ALONE APPLICATION - Price (€)			100%		

68 kW**STAND-ALONE CONFIGURATION CONDEXA PRO 76(HHV) - 68(LHV)****DIMENSIONS**

A: 1243 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

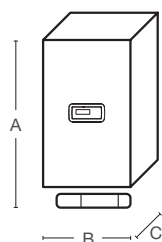
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115224	CONDEXA PRO 70 P (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20132778	OUTDOOR PROBE		1	
20142219	SA INSTALLATION KIT FOR STAND-ALONE BOILER		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20132365	KIT IPX5D FOR OUTDOOR INSTALLATION 35÷70		1	

STAND-ALONE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	45 kW	57 kW	68 kW	90 kW	97 kW
STAND-ALONE APPLICATION - Price (€)			100%		


DIMENSIONS

A: 1243 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

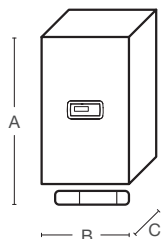
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115225	CONDEXA PRO 90 (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20132778	OUTDOOR PROBE		1	
20142219	SA INSTALLATION KIT FOR STAND-ALONE BOILER		1	
3. SHUNT PUMPS				
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20128135	KIT IPX5D FOR OUTDOOR INSTALLATION 90÷135		1	

STAND-ALONE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	57 kW	68 kW	90 kW	97 kW	112 kW
STAND-ALONE APPLICATION - Price (€)			100%		

97 kW**STAND-ALONE CONFIGURATION CONDEXA PRO 108(HHV) – 97(LHV)****DIMENSIONS**

A: 1243 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

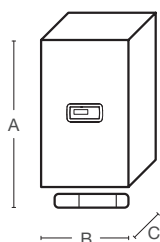
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115226	CONDEXA PRO 100 (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20132778	OUTDOOR PROBE		1	
20142219	SA INSTALLATION KIT FOR STAND-ALONE BOILER		1	
3. SHUNT PUMPS				
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20128135	KIT IPX5D FOR OUTDOOR INSTALLATION 90÷135		1	

STAND-ALONE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	68 kW	90 kW	97 kW	112 kW	131 kW
STAND-ALONE APPLICATION – Price (€)			100%		


DIMENSIONS

A: 1406 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

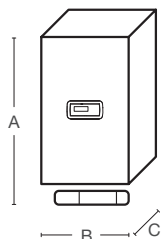
The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115228	CONDEXA PRO 115 (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20132778	OUTDOOR PROBE		1	
20142219	SA INSTALLATION KIT FOR STAND-ALONE BOILER		1	
3. SHUNT PUMPS				
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20128135	KIT IPX5D FOR OUTDOOR INSTALLATION 90÷135		1	

STAND-ALONE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	90 kW	97 kW	112 kW	131 kW
STAND-ALONE APPLICATION - Price (€)			100%	

131 kW**STAND-ALONE CONFIGURATION CONDEXA PRO 146(HHV) - 131(LHV)****DIMENSIONS**

A: 1406 mm (including low loss header and siphon)

B: 600 mm

C: 435 mm

Dimensions above are referred to wall installation, without rig.

The following configuration is intended for wall installation. In case of specific need for installation on a frame, add the code "RIG FOR LINEAR CASCADE CONFIGURATION" listed below in the Optional Accessories.

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			STAND-ALONE APPLICATION	
CODE	DESCRIPTION	List price (€)	Quantity	Price (€)
1. BOILER MODEL SELECTION				
20115229	CONDEXA PRO 135 (IT/EN)		1	
2. SA INSTALLATION KIT AND COMPLEMENTAY ACCESSORIES				
20132778	OUTDOOR PROBE		1	
20142219	SA INSTALLATION KIT FOR STAND-ALONE BOILER		1	
3. SHUNT PUMPS				
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		1	
6. SECONDARY CIRCUIT MANAGEMENT				
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
Total (VAT Excluded)				
Optional Accessories				
20009486	GAS SAFETY CUT-OFF VALVE - Ø G.1" - T=97°C - CAPILLARY TUBE L = 5 M		1	
1220599	PROBE KIT FOR SECONDARY CIRCUIT OR DHW TANK		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		1	
20131270	REAR SPACER FRAME KIT FOR WALL-HUNG APPLICATION		1	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		1	
20128135	KIT IPX5D FOR OUTDOOR INSTALLATION 90÷135		1	

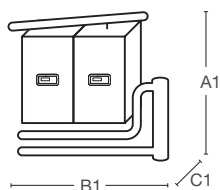
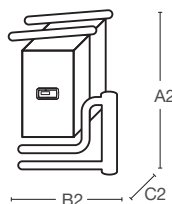
STAND-ALONE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	90 kW	97 kW	112 kW	131 kW
STAND-ALONE APPLICATION - Price (€)				100%

CASCADE CONFIGURATIONS

IN THIS SECTION YOU CAN FIND ALL THE CONDEXA PRO CASCADE CONFIGURATIONS, ORGANISED BY INPUT POWER IN ASCENDING ORDER. ON EACH PAGE ARE LISTED BOTH LINEAR AND BACK-TO-BACK CONFIGURATIONS, REACHING THE SAME OUTPUT POWER. THE CASCADE CONFIGURATIONS INCLUDE: PRIMARY LOOP WITH LOW LOSS HEADER, SHUNT PUMP/CHECK VALVES ON EACH THERMAL UNIT AND FLUE SYSTEM. THE INDICATED DIMENSIONS OF EACH CASCADE CONFIGURATION INCLUDE PRIMARY LOOP WITH LOW LOSS HEADER AND FLUE SYSTEM.

CONDEXA PRO CASCADE CONFIGURATIONS	114
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70 kW
CASCADE CONFIGURATION CONDEXA PRO 77(HHV) - 70(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

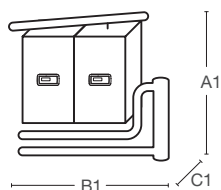
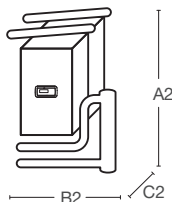
A1: 2275 mm
 A2: 2364 mm
 B1: 2085 mm
 B2: 1337 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009486	GAS SAFETY CUT-OFF VALVE – Ø 6,1” – T=97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		2		2	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		2		2	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140410	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 25 (25A) N – ΔT = 10/7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	57 kW (stand- alone)	68 kW (stand- alone)	70 kW	90 kW (stand- alone)	97 kW (stand- alone)
CASCADE APPLICATION - Price (€)			100%		

90 kW**CASCADE CONFIGURATION CONDEXA PRO 100(HHV) – 90(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2275 mm
A2:	2364 mm
B1:	2085 mm
B2:	1337 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

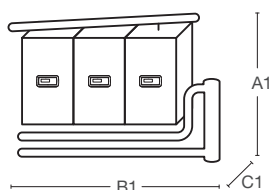
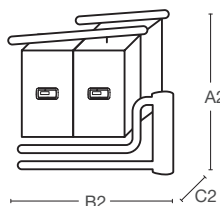
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009486	GAS SAFETY CUT-OFF VALVE – Ø G.1” – T=97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		2		2	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		2		2	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140410	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 25 (25A) N – ΔT = 10 °C		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 31 (31A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	70 kW	90 kW (stand-alone)	90 kW	97 kW (stand-alone)	105 kW
CASCADE APPLICATION – Price (€)			100%		

105 kW
CASCADE CONFIGURATION CONDEXA PRO 116(HHV) - 105(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

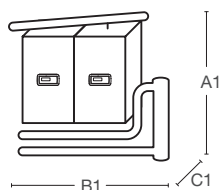
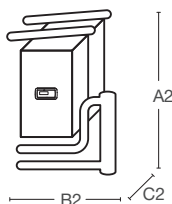
A1: 2305 mm
 A2: 2404 mm
 B1: 2833 mm
 B2: 2085 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009486	GAS SAFETY CUT-OFF VALVE – Ø G.1” – T=97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		3		3	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		3		3	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		3		3	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140410	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 25 (25A) N – ΔT = 10 °C		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 31 (31A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	70 kW	90 kW	90 kW (stand- alone)	97 kW (stand- alone)	105 kW	112 kW (stand- alone)	114 kW
CASCADE APPLICATION - Price (€)					100%		

114 kW**CASCADE CONFIGURATION CONDEXA PRO 126(HHV) – 114(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2131 mm
A2:	2220 mm
B1:	2085 mm
B2:	1337 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

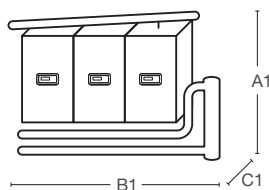
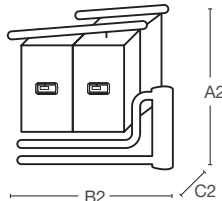
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		2		2	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009486	GAS SAFETY CUT-OFF VALVE – Ø 6.1" – T=97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		2		2	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		2		2	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140410	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 25 (25A) N – ΔT = 10 °C		1		1	
20140412	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 35 (35A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	105 kW	112 kW (stand-alone)	114 kW	131 kW (stand-alone)	135 kW
CASCADE APPLICATION – Price (€)			100%		

135 kW
CASCADE CONFIGURATION CONDEXA PRO 150(HHV) - 135(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

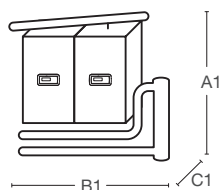
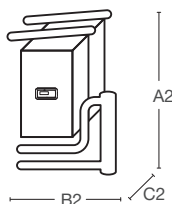
A1: 2305 mm
 A2: 2404 mm
 B1: 2833 mm
 B2: 2085 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		3		3	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		3		3	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		3		3	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 31 (31A) N – ΔT = 10 °C		1		1	
20140414	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 45 (45A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	114 kW	131 kW (stand-alone)	135 kW	136 kW	140 kW
CASCADE APPLICATION - Price (€)			100%		

136 kW**CASCADE CONFIGURATION CONDEXA PRO 152(HHV) – 136(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2131 mm
A2:	2220 mm
B1:	2085 mm
B2:	1337 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

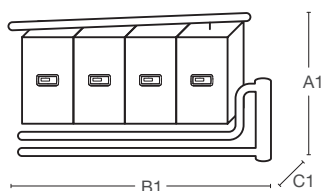
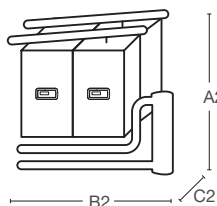
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		2		2	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø 6.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		2		2	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140410	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 25 (25A) N – ΔT = 10 °C		1		1	
20140413	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 39 (39A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	131 kW (stand-alone)	135 kW	136 kW	140 kW	171 kW
CASCADE APPLICATION – Price (€)			100%		

140 kW
CASCADE CONFIGURATION CONDEXA PRO 154,8(HHV) - 139,6(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2334 mm
A2: 2404 mm
B1: 3579 mm
B2: 2085 mm
C1: 511 mm
C2: 942 mm

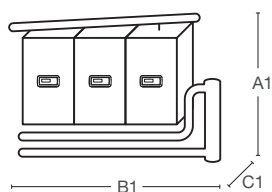
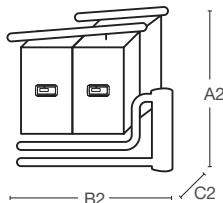
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		4		4	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		4		4	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		4		4	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140410	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 25 (25A) N - ΔT = 10 °C		1		1	
20140413	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 39 (39A) N - ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	131 kW (stand-alone)	135 kW	136 kW	140 kW	171 kW	175 kW
CASCADE APPLICATION - Price (€)				100%		

171 kW**CASCADE CONFIGURATION CONDEXA PRO 189(HHV) - 171(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2161 mm
A2:	2260 mm
B1:	2833 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

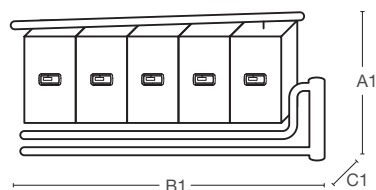
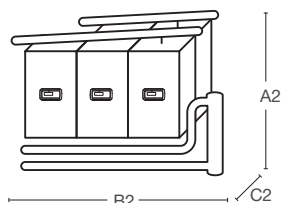
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		3		3	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1"1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		3		3	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		3		3	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 31 (31A) N - ΔT = 10 °C		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 49 (49A) N - ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	136 kW	140 kW	171 kW	175 kW	180 kW WITH 2 BOILERS	180 kW WITH 4 BOILERS
CASCADE APPLICATION - Price (€)			100%			

175 kW
CASCADE CONFIGURATION CONDEXA PRO 193,5(HHV) - 175(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

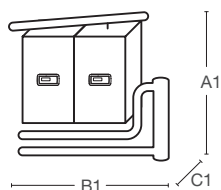
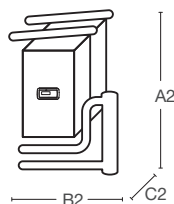
A1: 2385 mm
 A2: 2443 mm
 B1: 4327 mm
 B2: 2833 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		5		5	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		5		5	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		5		5	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		5		5	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 31 (31A) N – ΔT = 10 °C		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 49 (49A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	140 kW	171 kW	175 kW	180 kW WITH 2 BOILERS	180 kW WITH 4 BOILERS
CASCADE APPLICATION - Price (€)			100%		

180 kW**CASCADE CONFIGURATION CONDEXA PRO 200(HHV) – 180(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2131 mm
A2:	2220 mm
B1:	2085 mm
B2:	1337 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

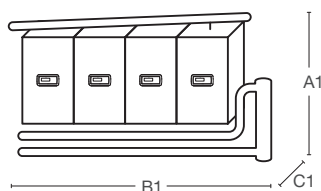
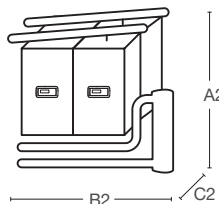
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		2		2	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		2		2	
4. RIG SELECTION						
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø 6.1"1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 31 (31A) N – ΔT = 10 °C		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 49 (49A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	171 kW	175 kW	180 kW WITH 2 BOILERS	180 kW WITH 4 BOILERS	194 kW
CASCADE APPLICATION – Price (€)			100%		

180 kW
CASCADE CONFIGURATION CONDEXA PRO 200(HHV) - 180(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2334 mm
A2: 2404 mm
B1: 3579 mm
B2: 2085 mm
C1: 511 mm
C2: 942 mm

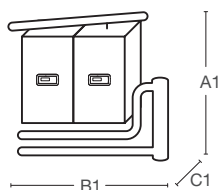
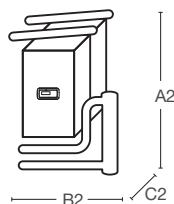
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		4		4	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		4		4	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140411	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 31 (31A) N - ΔT = 10 °C		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 49 (49A) N - ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	171 kW	175 kW	180 kW WITH 2 BOILERS	180 kW WITH 4 BOILERS	194 kW	204 kW
CASCADE APPLICATION - Price (€)				100%		

194 kW**CASCADE CONFIGURATION CONDEXA PRO 216(HHV) – 194(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2131 mm
A2:	2220 mm
B1:	2085 mm
B2:	1337 mm
C1:	511 mm
C2:	942 mm

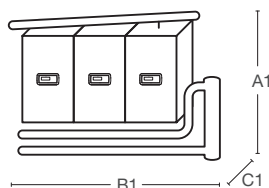
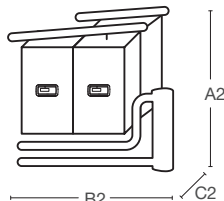
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		2		2	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		2		2	
4. RIG SELECTION						
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1"1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140412	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 35 (35A) N – ΔT = 10 °C		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	180 kW WITH 2 BOILERS	180 kW WITH 4 BOILERS	194 kW	204 kW	209 kW
CASCADE APPLICATION – Price (€)			100%		

204 kW
CASCADE CONFIGURATION CONDEXA PRO 228(HHV) - 204(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2161 mm
 A2: 2260 mm
 B1: 2833 mm
 B2: 2085 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		3		3	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		3		3	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		3		3	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140412	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 35 (35A) N – ΔT = 10 °C		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

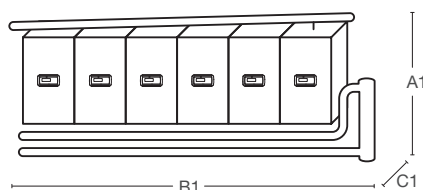
CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	180 kW WITH 2 BOILERS	180 kW WITH 4 BOILERS	194 kW	204 kW	209 kW	224 kW
CASCADE APPLICATION - Price (€)				100%		

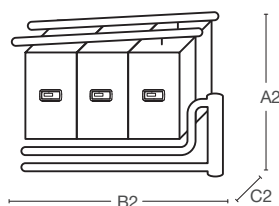
209 kW

CASCADE CONFIGURATION CONDEXA PRO 232(HHV) – 209(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2414 mm
A2:	2443 mm
B1:	5075 mm
B2:	2833 mm
C1:	511 mm
C2:	942 mm

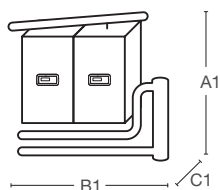
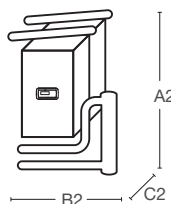
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		6		6	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		6		6	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		6	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		6		6	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140412	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 35 (35A) N – ΔT = 10 °C		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	194 kW	204 kW	209 kW	224 kW WITH 2 BOILERS	225 kW WITH 4 BOILERS
CASCADE APPLICATION – Price (€)			100%		

224 kW
CASCADE CONFIGURATION CONDEXA PRO 248(HHV) - 224(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2301 mm
 A2: 2390 mm
 B1: 2085 mm
 B2: 1337 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

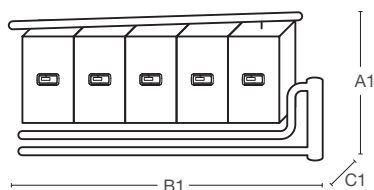
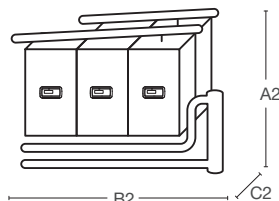
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		2		2	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		2		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		2		1	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20133220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140413	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 39 (39A) N - ΔT = 10 °C		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 65 (65A) N - ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	204 kW	209 kW	224 kW	225 kW	228 kW
CASCADE APPLICATION - Price (€)			100%		

225 kW**CASCADE CONFIGURATION CONDEXA PRO 250(HHV) – 225(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

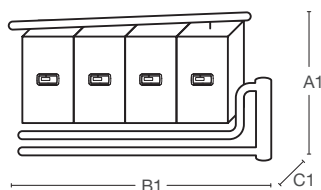
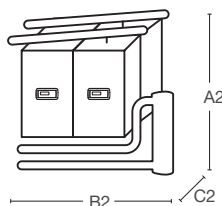
A1:	2385 mm
A2:	2443 mm
B1:	4327 mm
B2:	2833 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø G.1"1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		5		5	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		5		5	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		5		5	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		5		5	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140414	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 45 (45A) N – ΔT = 10 °C		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 65 (65A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	209 kW	224 kW	225 kW	228 kW	244 kW
CASCADE APPLICATION – Price (€)			100%		

228 kW
CASCADE CONFIGURATION CONDEXA PRO 252(HHV) - 228(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1:	2190 mm
A2:	2260 mm
B1:	3579 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

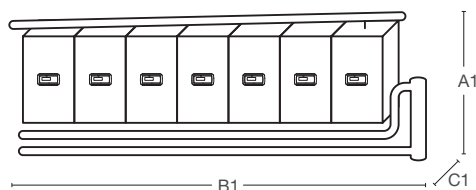
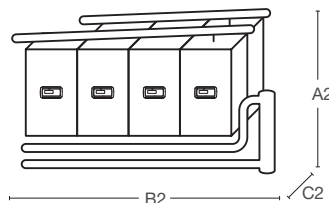
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		4		4	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009482	GAS SAFETY CUT-OFF VALVE – Ø 6.1”1/2 – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		4		4	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		4		4	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140413	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 39 (39A) N - ΔT = 10 °C		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 65 (65A) N - ΔT = 7,2 °C		1		1	
20140442	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 41 PLATES)		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	224 kW	225 kW	228 kW	244 kW	262 kW
CASCADE APPLICATION - Price (€)			100%		

244 kW
CASCADE CONFIGURATION CONDEXA PRO 270,9(HHV) - 244(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

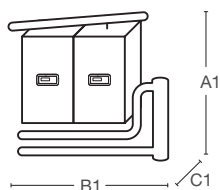
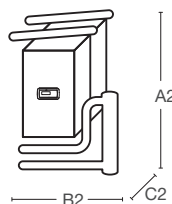
A1:	2439 mm
A2:	2483 mm
B1:	5821 mm
B2:	3579 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		2	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		7		7	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		7		7	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		7	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		7		7	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140414	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 45 (45A) N – ΔT = 10 °C		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 65 (65A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	225 kW	228 kW	244 kW	262 kW	270 kW
CASCADE APPLICATION - Price (€)			100%		

262 kW
CASCADE CONFIGURATION CONDEXA PRO 292(HHV) - 262(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

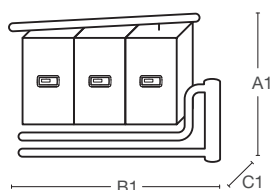
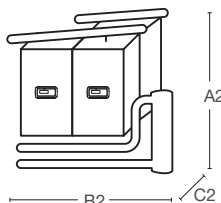
A1: 2301 mm
 A2: 2390 mm
 B1: 2085 mm
 B2: 1337 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		2		2	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		2		2	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		2		1	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
5 SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		2		2	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		2		1	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20133220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 1 RIG CASCADE		0		1	
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE - Ø 6.2" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER - UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		2		2	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		2		2	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140414	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 45 (45A) N - ΔT = 10 °C		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 75 (75A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	228 kW	244 kW	262 kW	270 kW WITH 3 BOILERS	270 kW WITH 6 BOILERS	272 kW
CASCADE APPLICATION - Price (€)			100%			

270 kW**CASCADE CONFIGURATION CONDEXA PRO 300(HHV) – 270(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2161 mm
A2:	2260 mm
B1:	2833 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

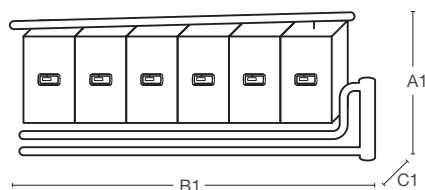
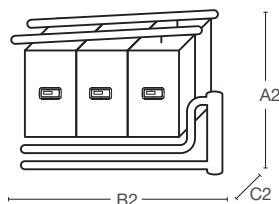
RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		3		3	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		3		3	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		3		3	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140414	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 45 (45A) N – ΔT = 10 °C		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 75 (75A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	244 kW	262 kW	270 kW WITH 3 BOILERS	270 kW WITH 6 BOILERS	272 kW	279 kW
CASCADE APPLICATION – Price (€)			100%			

270 kW
CASCADE CONFIGURATION CONDEXA PRO 300(HHV) - 270(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2414 mm
 A2: 2443 mm
 B1: 5075 mm
 B2: 2833 mm
 C1: 511 mm
 C2: 942 mm

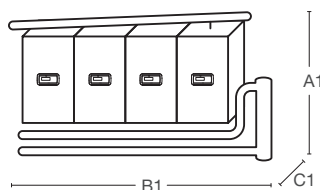
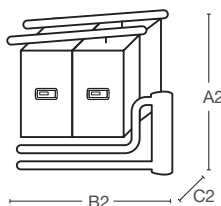
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		6		6	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		6		6	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		6	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		6		6	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP - UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 49 (49A) N - ΔT = 10 °C		1		1	
20140420	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 81 (81A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	262 kW	270 kW WITH 3 BOILERS	270 kW WITH 6 BOILERS	272 kW	279 kW	285 kW
CASCADE APPLICATION - Price (€)			100%			

272 kW**CASCADE CONFIGURATION CONDEXA PRO 304(HHV) – 272(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2190 mm
A2:	2260 mm
B1:	3579 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

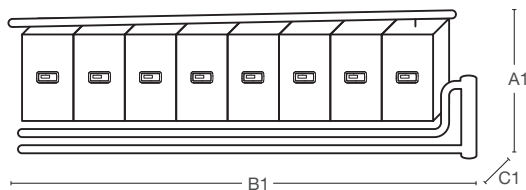
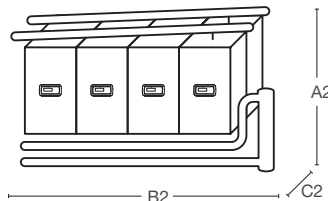
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		4		4	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		4		4	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		4		4	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140414	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 45 (45A) N – ΔT = 10 °C		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 75 (75A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	262 kW	270 kW WITH 3 BOILERS	270 kW WITH 6 BOILERS	272 kW	279 kW	285 kW
CASCADE APPLICATION – Price (€)				100%		

279 kW
CASCADE CONFIGURATION CONDEXA PRO 309,6(HHV) - 279(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

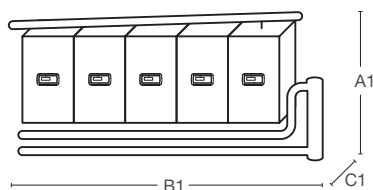
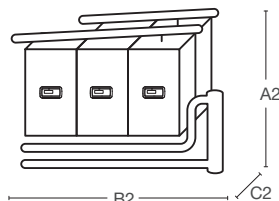
A1: 2490 mm
A2: 2483 mm
B1: 7137 mm
B2: 3579 mm
C1: 511 mm
C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		8		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		2	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		8		8	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		8		8	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		8		8	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		8		8	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 49 (49A) N – ΔT = 10 °C		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 75 (75A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	270 kW WITH 3 BOILERS	270 kW WITH 6 BOILERS	272 kW	279 kW	285 kW	291 kW
CASCADE APPLICATION - Price (€)				100%		

285 kW
CASCADE CONFIGURATION CONDEXA PRO 315(HHV) – 285(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2241 mm
 A2: 2299 mm
 B1: 4327 mm
 B2: 2833 mm
 C1: 511 mm
 C2: 942 mm

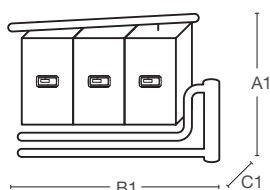
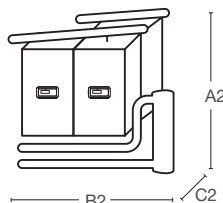
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		5		5	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		5		5	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		5		5	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		5		5	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 49 (49A) N – ΔT = 10 °C		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 75 (75A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	272 kW	279 kW	285 kW	291 kW	314 kW
CASCADE APPLICATION – Price (€)			100%		

291 kW
CASCADE CONFIGURATION CONDEXA PRO 324(HHV) - 291(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2161 mm
 A2: 2260 mm
 B1: 2833 mm
 B2: 2085 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		3		3	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		3		3	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE - Ø 6.2" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER - UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		3		3	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140415	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 49 (49A) N - ΔT = 10 °C		1		1	
20140420	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 81 (81A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

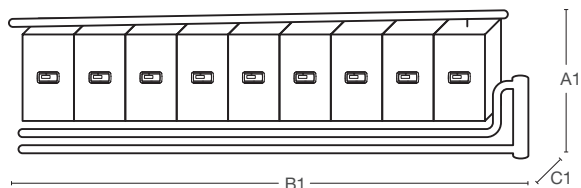
CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	279 kW	285 kW	291 kW	314 kW	315 kW
CASCADE APPLICATION - Price (€)			100%		

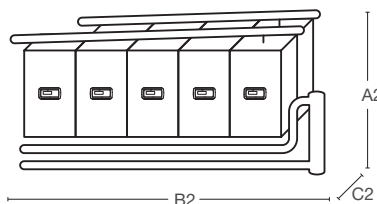
314 kW

CASCADE CONFIGURATION CONDEXA PRO 348,3(HHV) - 314(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2520 mm
A2:	2511 mm
B1:	7885 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

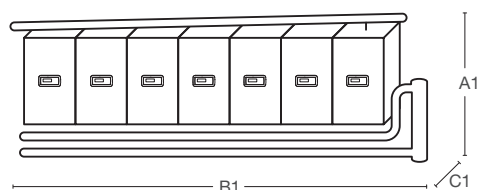
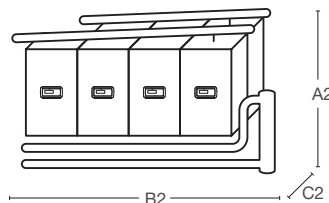
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		3		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		9		9	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		9		9	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		9		9	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		9		9	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 57 (57A) N - ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 93 (93A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	285 kW	291 kW	314 kW	315 kW	336 kW
CASCADE APPLICATION - Price (€)			100%		

315 kW
CASCADE CONFIGURATION CONDEXA PRO 350(HHV) - 315(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

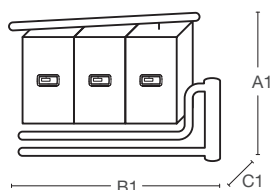
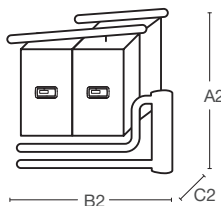
A1: 2439 mm
 A2: 2483 mm
 B1: 5821 mm
 B2: 3579 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		2	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		7		7	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		7		7	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		7	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		7		7	
4031811	CONDENSATE NEUTRALIZER HN2 KIT WITH PUMP – UP TO 270 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 93 (93A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	291 kW	314 kW	315 kW	336 kW	340 kW
CASCADE APPLICATION - Price (€)			100%		

336 kW**CASCADE CONFIGURATION CONDEXA PRO 372(HHV) – 336(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

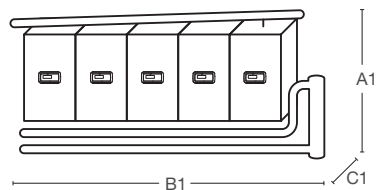
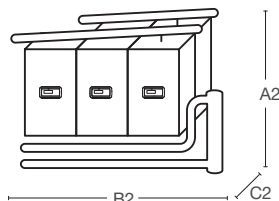
A1:	2240 mm
A2:	2430 mm
B1:	2833 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		3		3	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		3		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		3		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		3		3	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 93 (93A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	314 kW	315 kW	336 kW	340 kW	342 kW
CASCADE APPLICATION – Price (€)			100%		

340 kW**CASCADE CONFIGURATION CONDEXA PRO 380(HHV) - 340(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1: 2241 mm
 A2: 2299 mm
 B1: 4327 mm
 B2: 2833 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		5		5	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		5		5	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		5		5	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		5		5	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 93 (93A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

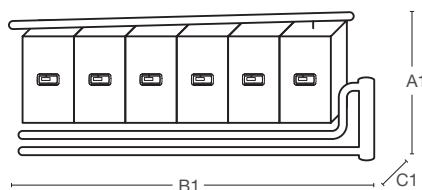
CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	315 kW	336 kW	340 kW	342 kW	349 kW
CASCADE APPLICATION - Price (€)			100%		

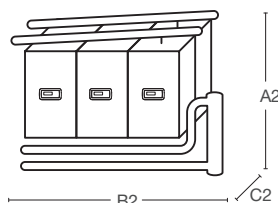
342 kW

CASCADE CONFIGURATION CONDEXA PRO 378(HHV) – 342(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2270 mm
A2:	2299 mm
B1:	5075 mm
B2:	2833 mm
C1:	511 mm
C2:	942 mm

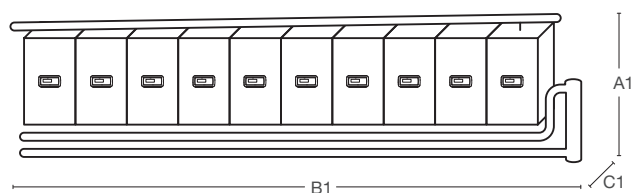
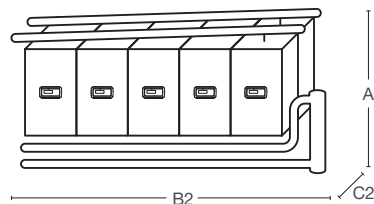
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		6		6	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		6		6	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		6	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		6		6	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 93 (93A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	336 kW	340 kW	342 kW	349 kW	360 kW
CASCADE APPLICATION – Price (€)			100%		

349 kW
CASCADE CONFIGURATION CONDEXA PRO 387(HHV) - 349(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

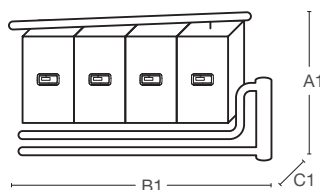
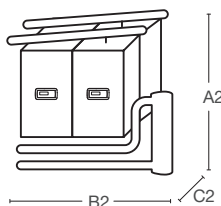
A1: 2549 mm
 A2: 2511 mm
 B1: 8631 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115221	CONDEXA PRO 35 P (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		10		10	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		10		10	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		10		10	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		10		10	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		10		10	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 93 (93A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	340 kW	342 kW	349 kW	360 kW WITH 4 BOILERS	360 kW WITH 8 BOILERS	388 kW
CASCADE APPLICATION - Price (€)			100%			

360 kW**CASCADE CONFIGURATION CONDEXA PRO 400(HHV) – 360(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2190 mm
A2:	2260 mm
B1:	3579 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

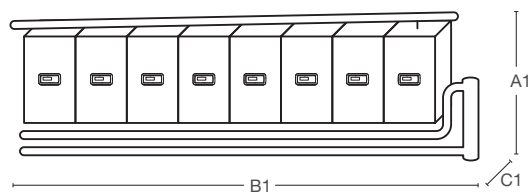
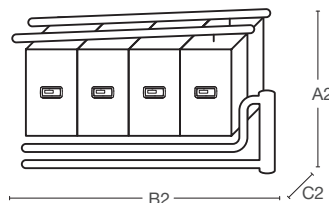
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		4		4	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		4		4	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		4		4	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 kW TO 750 kW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 kW		1		1	
20140416	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 57 (57A) N – ΔT = 10 °C		1		1	
20140421	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 93 (93A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	342 kW	349 kW	360 kW WITH 4 BOILERS	360 kW WITH 8 BOILERS	388 kW	393 kW
CASCADE APPLICATION – Price (€)			100%			

360 kW
CASCADE CONFIGURATION CONDEXA PRO 400(HHV) - 360(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

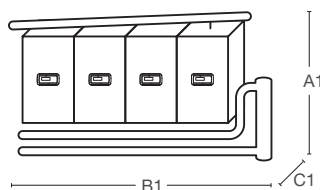
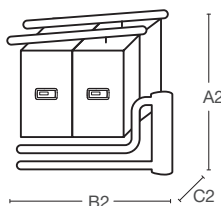
A1: 2490 mm
 A2: 2483 mm
 B1: 7137 mm
 B2: 3579 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		8		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		2	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		8		8	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		8		8	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		8		8	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		8		8	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 65 (65A) N – ΔT = 10 °C		1		1	
20140423	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 105 (105A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	342 kW	349 kW	360 kW WITH 4 BOILERS	360 kW WITH 8 BOILERS	388 kW	393 kW
CASCADE APPLICATION - Price (€)				100%		

388 kW**CASCADE CONFIGURATION CONDEXA PRO 432(HHV) – 388(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2190 mm
A2:	2260 mm
B1:	3579 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

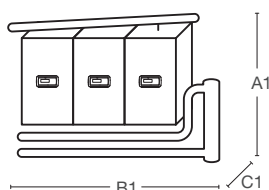
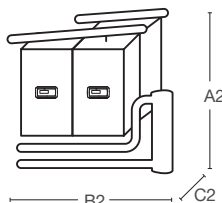
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		4		4	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		4		4	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		4		4	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 65 (65A) N – ΔT = 10 °C		1		1	
20140423	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 105 (105A) N – ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	349 kW	360 kW WITH 4 BOILERS	360 kW WITH 8 BOILERS	388 kW	393 kW	399 kW
CASCADE APPLICATION – Price (€)				100%		

393 kW
CASCADE CONFIGURATION CONDEXA PRO 438(HHV) - 393(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2240 mm
A2: 2430 mm
B1: 2833 mm
B2: 2085 mm
C1: 511 mm
C2: 942 mm

RECOMMENDED BILL OF MATERIALS

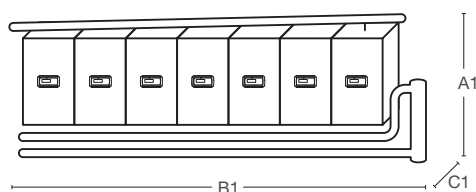
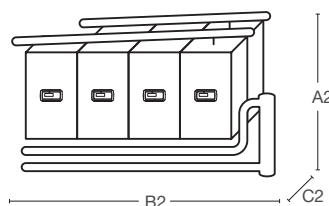
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		3		3	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		3		3	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		3		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
5. SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		3		3	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		3		2	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK)		0		1	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE - Ø G.2" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER - UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		3	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		3		3	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		3		3	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 65 (65A) N - ΔT = 10 °C		1		1	
20140423	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 105 (105A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	360 kW WITH 4 BOILERS	360 kW WITH 8 BOILERS	388 kW	393 kW	399 kW	405 kW
CASCADE APPLICATION - Price (€)				100%		

399 kW
CASCADE CONFIGURATION CONDEXA PRO 441(HHV) - 399(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1:	2295 mm
A2:	2339 mm
B1:	5821 mm
B2:	3579 mm
C1:	511 mm
C2:	942 mm

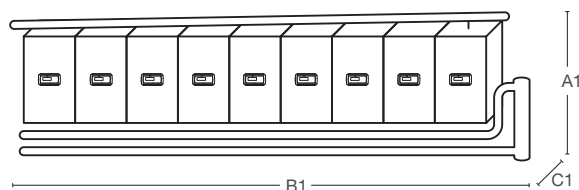
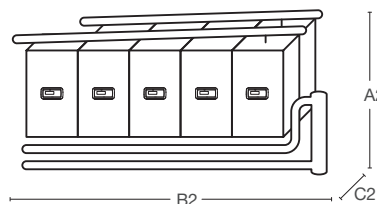
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		7		7	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		2	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		7		7	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		7	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		7		7	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 65 (65A) N - ΔT = 10 °C		1		1	
20140423	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 105 (105A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	388 kW	393 kW	399 kW	405 kW	408 kW
CASCADE APPLICATION - Price (€)			100%		

405 kW
CASCADE CONFIGURATION CONDEXA PRO 450(HHV) - 405(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2520 mm
 A2: 2511 mm
 B1: 7885 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

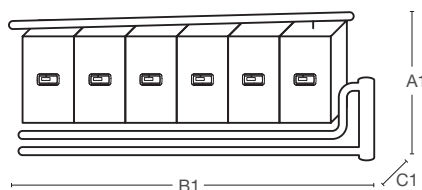
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		0		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		3		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		9		9	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		9		9	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		9		9	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082190	3” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3”/DN80 MANIFOLDS SIDE – DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		9		9	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT – UP TO 450 KW		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 75 (75A) N – ΔT = 10 °C		1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 – DN50 121 (121A) N – ΔT = 7,2 °C		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

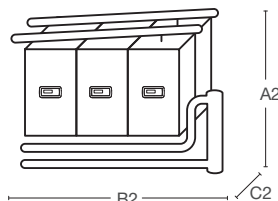
CONFIGURATION	393 kW	399 kW	405 kW	408 kW	448 kW
CASCADE APPLICATION - Price (€)			100%		

408 kW CASCADE CONFIGURATION CONDEXA PRO 456(HHV) - 408(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2270 mm
A2:	2299 mm
B1:	5075 mm
B2:	2833 mm
C1:	511 mm
C2:	942 mm

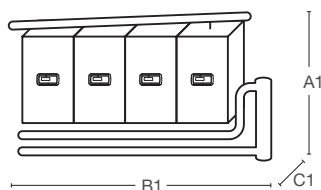
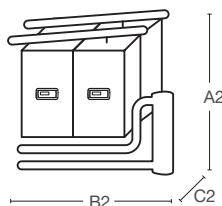
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		6		6	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130221	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		6		6	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		6	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		6		6	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140418	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 65 (65A) N - ΔT = 10 °C		1		1	
20140423	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 105 (105A) N - ΔT = 7,2 °C		1		1	
20140443	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	393 kW	405 kW	408 kW	448 kW	450 kW WITH 5 BOILERS	450 kW WITH 10 BOILERS
CASCADE APPLICATION - Price (€)			100%			

448 kW
CASCADE CONFIGURATION CONDEXA PRO 496(HHV) - 448(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2382 mm
 A2: 2430 mm
 B1: 3579 mm
 B2: 2085 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		4		4	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		4		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		4		2	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3" HYDRAULIC MANIFOLD + THREADED 2" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5" LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		4	
20132381	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø160		0		1	
BOM Total Price (VAT Excluded)						

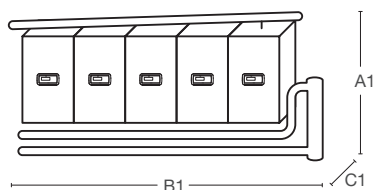
Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		4		4	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 75 (75A) N - ΔT = 10 °C		1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 121 (121A) N - ΔT = 7,2 °C		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

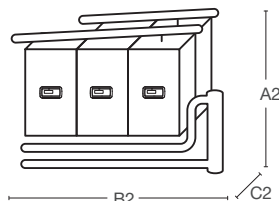
CONFIGURATION	405 kW	408 kW	448 kW	450 kW WITH 5 BOILERS	450 kW WITH 10 BOILERS	456 kW
CASCADE APPLICATION - Price (€)			100%			

450 kW CASCADE CONFIGURATION CONDEXA PRO 500(HHV) - 450(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2241 mm
A2:	2299 mm
B1:	4327 mm
B2:	2833 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

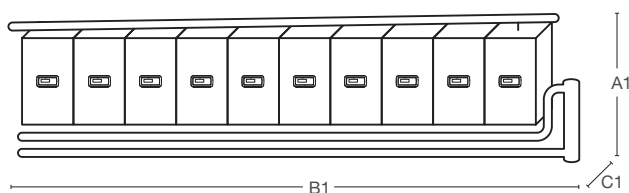
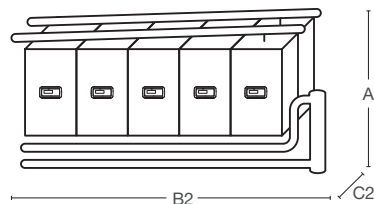
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		5		5	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		5		5	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		5	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 to Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		5		5	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 75 (75A) N - ΔT = 10 °C		1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 121 (121A) N - ΔT = 7,2 °C		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	408 kW	448 kW	450 kW WITH 5 BOILERS	450 kW WITH 10 BOILERS	456 kW	476 kW
CASCADE APPLICATION - Price (€)			100%			

450 kW
CASCADE CONFIGURATION CONDEXA PRO 500(HHV) - 450(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2549 mm
 A2: 2511 mm
 B1: 8631 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

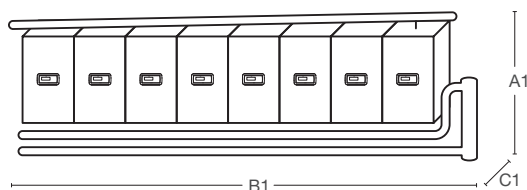
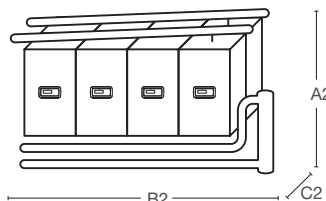
RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115222	CONDEXA PRO 50 P (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		1	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20164632	CLAPET Ø80 WITH INTEGRATED CONDENSATE TRAP		10		10	
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		10		10	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		8		10	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		10		10	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		10		10	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031810	CONDENSATE NEUTRALIZER N2 KIT - UP TO 450 KW		1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 75 (75A) N - ΔT = 10 °C		1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 121 (121A) N - ΔT = 7,2 °C		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	408 kW	448 kW	450 kW WITH 5 BOILERS	450 kW WITH 10 BOILERS	456 kW	476 kW
CASCADE APPLICATION - Price (€)				100%		

456 kW**CASCADE CONFIGURATION CONDEXA PRO 504(HHV) - 456(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2346 mm
A2:	2339 mm
B1:	7137 mm
B2:	3579 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

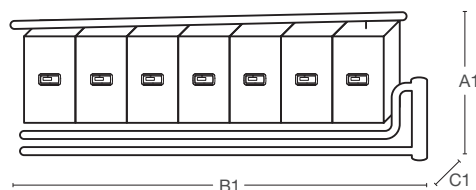
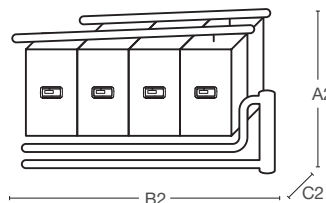
RECOMMENDED BILL OF MATERIALS			List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	Q.ty		Price (€)	Q.ty	Price (€)	
1. BOILER MODEL SELECTION							
20115223	CONDEXA PRO 57 P (IT/EN)		8		8		
2. COMPLEMENTAY ACCESSORIES							
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		8		8		
20132778	OUTDOOR PROBE		1		1		
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1		
4. RIG SELECTION							
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4		
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4		
6. CONNECTION PIPES							
20131124	CONNECTION PIPES WITH BALL VALVES		8		4		
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4		
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS							
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		2		
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		2		0		
20070903	3” BLIND FLANGES KIT		1		1		
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT							
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1		
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1		
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		1		1		
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1		
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER							
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1		
10. SECONDARY CIRCUIT MANAGEMENT							
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1		
13. FLUE SYSTEMS							
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		8		8		
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2		
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		8		
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0		
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		1		0		
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1		
BOM Total Price (VAT Excluded)							

Optional Accessories

CODE	DESCRIPTION	Q.ty	Price (€)	Q.ty	Price (€)
20082190	3" FLANGE KIT	2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER	8		8	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)	1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK	1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)	-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P	8		8	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW	1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW	1		1	
20140419	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 75 (75A) N - ΔT = 10 °C	1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 121 (121A) N - ΔT = 7,2 °C	1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)	1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)	1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40	1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	448 kW	450 kW WITH 5 BOILERS	450 kW WITH 10 BOILERS	456 kW	476 kW	485 kW
CASCADE APPLICATION - Price (€)				100%		

476 kW
CASCADE CONFIGURATION CONDEXA PRO 532(HHV) - 476(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2295 mm
 A2: 2339 mm
 B1: 5821 mm
 B2: 3579 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		7		7	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		2		2	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		0	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		7		7	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

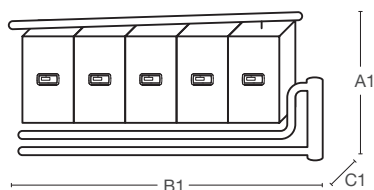
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		7		7	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140420	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 81 (81A) N - ΔT = 10 °C		1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 121 (121A) N - ΔT = 7,2 °C		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

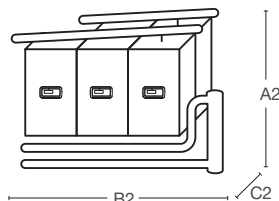
CONFIGURATION	450 kW WITH 5 BOILERS	450 kW WITH 10 BOILERS	456 kW	476 kW	485 kW	513 kW
CASCADE APPLICATION - Price (€)				100%		

485 kW CASCADE CONFIGURATION CONDEXA PRO 540(HHV) - 485(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2241 mm
A2:	2299 mm
B1:	4327 mm
B2:	2833 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

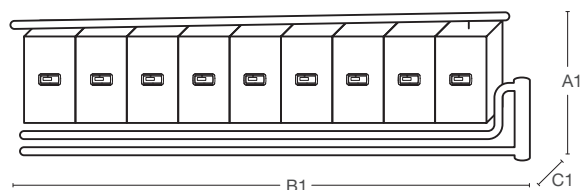
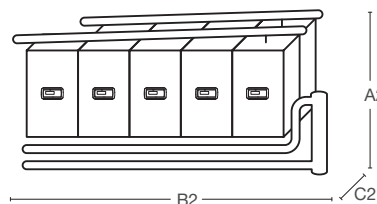
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		5		5	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		5		5	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130220	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (UP TO 485 KW)		1		0	
20130221	FLANGED 3” HYDRAULIC MANIFOLD + THREADED 2” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (UP TO 485 KW)		1		1	
20070903	3” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070910	3” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20009467	5” LOW LOSS HEADER – UP TO 485 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		5	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

BOM Total Price (VAT Excluded)

Optional Accessories						
20082190	3" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132373	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (3"/DN80 MANIFOLDS SIDE - DN50 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		5		5	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140420	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 81 (81A) N - ΔT = 10 °C		1		1	
20140424	PLATE HEAT EXCHANGER MODEL SP 35 - DN50 121 (121A) N - ΔT = 7,2 °C		1		1	
20140444	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140445	PLATE HEAT EXCHANGER MODEL SP 35 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	456 kW	476 kW	485 kW	513 kW	524 kW
CASCADE APPLICATION - Price (€)			100%		

513 kW
CASCADE CONFIGURATION CONDEXA PRO 567(HHV) - 513(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

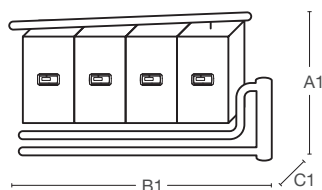
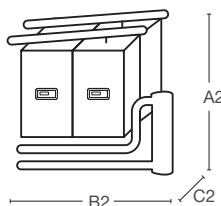
A1: 2376 mm
 A2: 2367 mm
 B1: 7885 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		9		9	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		0		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		3		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069073	10" LOW LOSS HEADER – OVER 485 KW AND UP TO 580 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		9		9	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		9	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		9		9	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20014231	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 59 (59A) N – ΔT = 10 °C		1		1	
20140428	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 99 (99A) N – ΔT = 7,2 °C		1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	476 kW	485 kW	513 kW	524 kW	540 kW
CASCADE APPLICATION - Price (€)			100%		

524 kW**CASCADE CONFIGURATION CONDEXA PRO 584(HHV) – 524(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2382 mm
A2:	2430 mm
B1:	3579 mm
B2:	2085 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

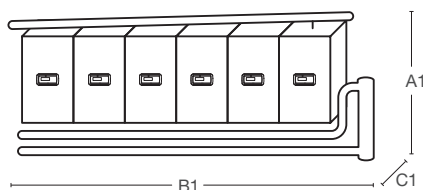
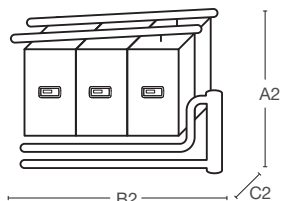
RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		4		4	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		4		4	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		4		2	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		1	
5. SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		4		4	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		4		2	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 – OUTSIDE PUMP (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		1	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069073	10” LOW LOSS HEADER – OVER 485 KW AND UP TO 580 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		4	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		4		4	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		4		4	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20014231	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 59 (59A) N – ΔT = 10 °C		1		1	
20140428	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 99 (99A) N – ΔT = 7,2 °C		1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	485 kW	513 kW	524 kW	540 kW	544 kW
CASCADE APPLICATION – Price (€)			100%		

540 kW
CASCADE CONFIGURATION CONDEXA PRO 600(HHV) - 540(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2270 mm
 A2: 2299 mm
 B1: 5643 mm
 B2: 3401 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		6		6	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		6		6	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1"F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE - Ø G.2" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069073	10" LOW LOSS HEADER - OVER 485 KW AND UP TO 580 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		6	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		6		6	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140425	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 67 (67A) N - ΔT = 10 °C		1		1	
20140428	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 99 (99A) N - ΔT = 7,2 °C		1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

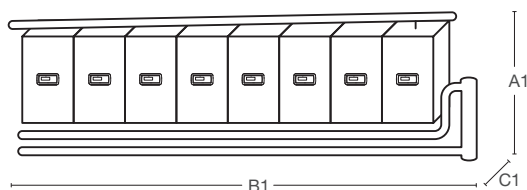
CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	513 kW	524 kW	540 kW	544 kW	560 kW
CASCADE APPLICATION - Price (€)			100%		

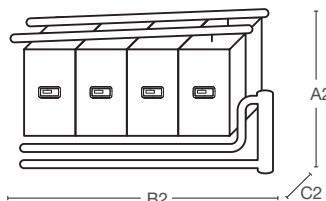
544 kW

CASCADE CONFIGURATION CONDEXA PRO 608(HHV) - 544(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2346 mm
A2:	2339 mm
B1:	7137 mm
B2:	4147 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

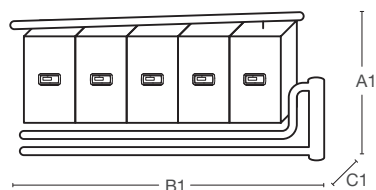
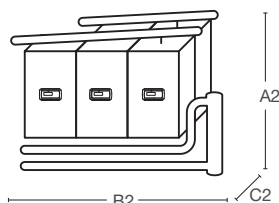
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		8		8	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		8		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1" F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069073	10" LOW LOSS HEADER – OVER 485 KW AND UP TO 580 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		8		8	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		8		8	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140425	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 67 (67A) N - ΔT = 10 °C		1		1	
20140428	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 99 (99A) N - ΔT = 7,2 °C		1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	524 kW	540 kW	544 kW	560 kW	570 kW
CASCADE APPLICATION - Price (€)			100%		

560 kW
CASCADE CONFIGURATION CONDEXA PRO 620(HHV) - 560(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

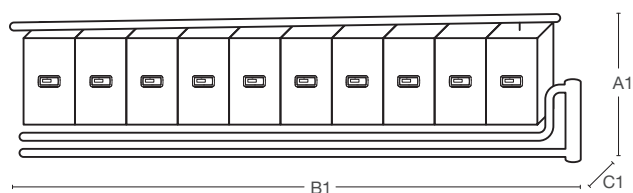
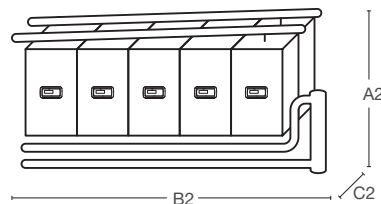
A1: 2411 mm
 A2: 2469 mm
 B1: 4895 mm
 B2: 3401 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		5		5	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		5		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		5		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		0	
20130223	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		1		1	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069073	10” LOW LOSS HEADER – OVER 485 KW AND UP TO 580 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		5	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082191	5” FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5”/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		5		5	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140425	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 67 (67A) N – ΔT = 10 °C		1		1	
20140428	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 99 (99A) N – ΔT = 7,2 °C		1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	540 kW	544 kW	560 kW	570 kW	582 kW
CASCADE APPLICATION - Price (€)			100%		

570 kW**CASCADE CONFIGURATION CONDEXA PRO 630(HHV) - 570(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2405 mm
A2:	2367 mm
B1:	8631 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

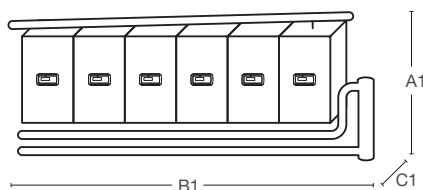
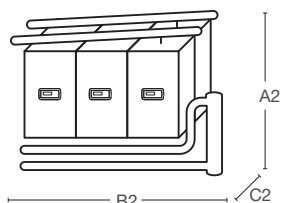
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115223	CONDEXA PRO 57 P (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		10		10	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		1	
20130223	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1”F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø 6.2” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069073	10” LOW LOSS HEADER – OVER 485 KW AND UP TO 580 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		10		10	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		10	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

CODE	DESCRIPTION	Q.ty	Price (€)	Q.ty	Price (€)
20082191	5" FLANGE KIT	2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER	10		10	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)	1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK	1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)	-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P	10		10	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW	1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW	1		1	
20140425	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 67 (67A) N - ΔT = 10 °C	1		1	
20140429	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 111 (111A) N - ΔT = 7,2 °C	1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)	1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)	1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40	1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	544 kW	560 kW	570 kW	582 kW	612 kW
CASCADE APPLICATION - Price (€)			100%		

582 kW
CASCADE CONFIGURATION CONDEXA PRO 648(HHV) - 582(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2270 mm
 A2: 2299 mm
 B1: 5643 mm
 B2: 3401 mm
 C1: 511 mm
 C2: 942 mm

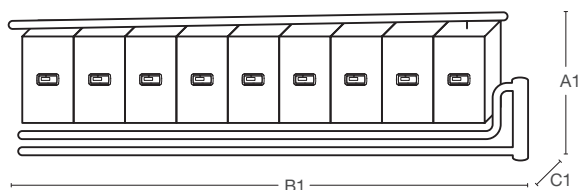
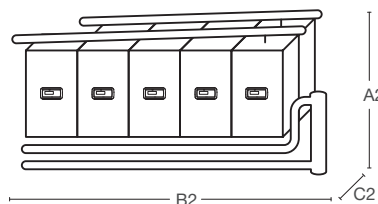
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		6		6	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		6		6	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE - Ø 6.3" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER - OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		6	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		6		6	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140425	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 67 (67A) N - ΔT = 10 °C		1		1	
20140429	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 111 (111A) N - ΔT = 7,2 °C		1		1	
20096867	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 71 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	560 kW	570 kW	582 kW	612 kW	630 kW
CASCADE APPLICATION - Price (€)			100%		

612 kW**CASCADE CONFIGURATION CONDEXA PRO 684(HHV) – 612(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2376 mm
A2:	2367 mm
B1:	7885 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

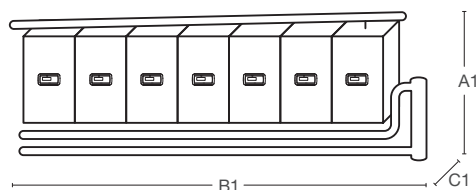
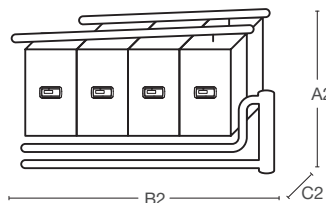
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		9		9	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		0		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		3		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		9		9	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		7		9	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P – 50 P – 57 P – 70 P		9		9	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140426	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 75 (75A) N – ΔT = 10 °C		1		1	
20140429	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 111 (111A) N – ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	570 kW	582 kW	612 kW	630 kW	655 kW
CASCADE APPLICATION – Price (€)			100%		

630 kW
CASCADE CONFIGURATION CONDEXA PRO 700(HHV) - 630(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2295 mm
 A2: 2339 mm
 B1: 6389 mm
 B2: 4147 mm
 C1: 511 mm
 C2: 942 mm

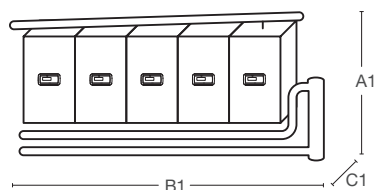
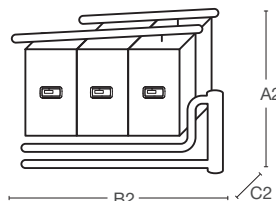
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		7		7	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		7		7	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		2	
20130223	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		1		0	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10” LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 to Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 to Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		7		7	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140426	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 75 (75A) N - ΔT = 10 °C		1		1	
20140429	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 111 (111A) N - ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	582 kW	612 kW	630 kW	655 kW	672 kW
CASCADE APPLICATION - Price (€)			100%		

655 kW**CASCADE CONFIGURATION CONDEXA PRO 730(HHV) – 655(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1: 2411 mm
 A2: 2469 mm
 B1: 4895 mm
 B2: 3401 mm
 C1: 511 mm
 C2: 942 mm

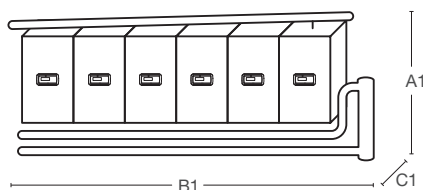
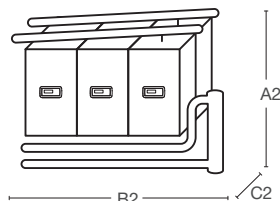
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		5		5	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		5		5	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		5		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		2	
5. SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		5		5	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		5		3	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK)		0		2	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		0	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		1		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø G.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		5	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		5		5	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		5		5	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140426	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 75 (75A) N – ΔT = 10 °C		1		1	
20140432	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 121 (121A) N – ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	612 kW	630 kW	655 kW	672 kW	679 kW
CASCADE APPLICATION – Price (€)			100%		

672 kW
CASCADE CONFIGURATION CONDEXA PRO 744(HHV) - 672(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2461 mm
 A2: 2469 mm
 B1: 5643 mm
 B2: 3401 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		6		6	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		6		6	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		6		3	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130223	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø G.3” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10” LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		6	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		6		6	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140426	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 75 (75A) N - ΔT = 10 °C		1		1	
20140432	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 121 (121A) N - ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

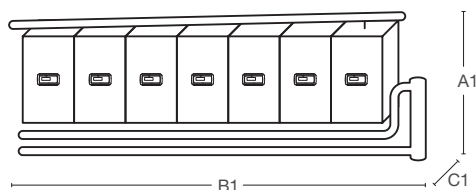
CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	630 kW	655 kW	672 kW	679 kW	680 kW
CASCADE APPLICATION - Price (€)			100%		

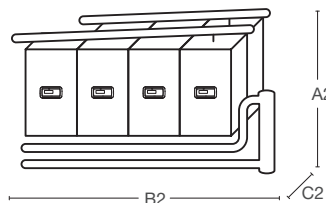
679 kW

CASCADE CONFIGURATION CONDEXA PRO 756(HHV) – 679(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2295 mm
A2:	2339 mm
B1:	6389 mm
B2:	4147 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

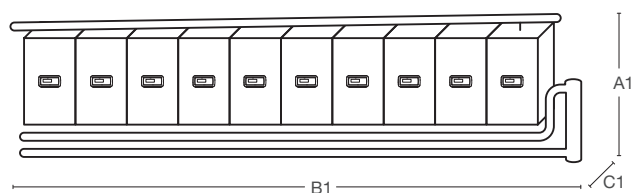
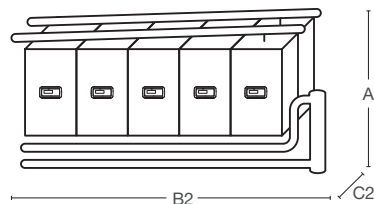
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		7		7	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		7		7	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		2	
20130223	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		1		0	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10” LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 to Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		7		7	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140426	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 75 (75A) N – ΔT = 10 °C		1		1	
20140432	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 121 (121A) N – ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	655 kW	672 kW	679 kW	680 kW	720 kW
CASCADE APPLICATION – Price (€)			100%		

680 kW
CASCADE CONFIGURATION CONDEXA PRO 760(HHV) - 680(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2405 mm
 A2: 2367 mm
 B1: 8631 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

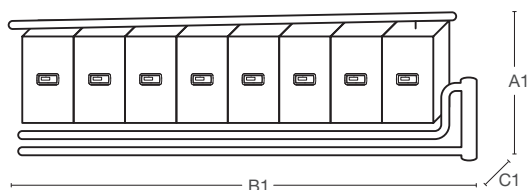
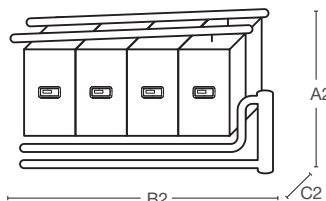
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115224	CONDEXA PRO 70 P (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		10		10	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1" F)		1		1	
20009483	GAS SAFETY CUT-OFF VALVE – Ø G.2" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20131238	FLUE ADAPTER FROM Ø80 TO Ø110		10		10	
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		6		10	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		4		0	
20132384	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø200		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		10		10	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131665	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 35 P - 50 P - 57 P - 70 P		10		10	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) - FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140426	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 75 (75A) N - ΔT = 10 °C		1		1	
20140432	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 121 (121A) N - ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	672 kW	679 kW	680 kW	720 kW	776 kW
CASCADE APPLICATION - Price (€)			100%		

720 kW**CASCADE CONFIGURATION CONDEXA PRO 800(HHV) – 720(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2346 mm
A2:	2339 mm
B1:	7137 mm
B2:	4147 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

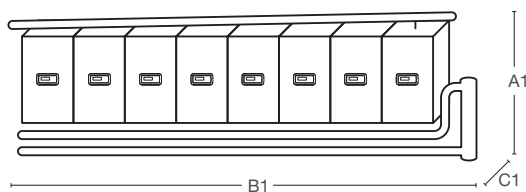
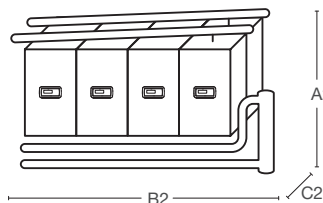
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		8		8	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		8		8	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		8		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132385	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		8		8	
4031813	CONDENSATE NEUTRALIZER HN3 KIT (WITH PUMP) – FROM 270 KW TO 750 KW		1		1	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140427	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 93 (93A) N – ΔT = 10 °C		1		1	
20140433	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 145 (145A) N – ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	679 kW	680 kW	720 kW	776 kW	784 kW
CASCADE APPLICATION – Price (€)			100%		

776 kW
CASCADE CONFIGURATION CONDEXA PRO 864(HHV) - 776(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2346 mm
 A2: 2339 mm
 B1: 7137 mm
 B2: 4147 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

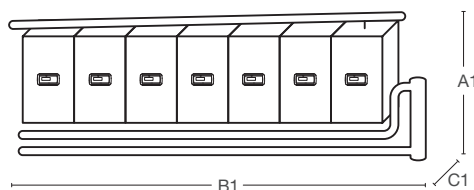
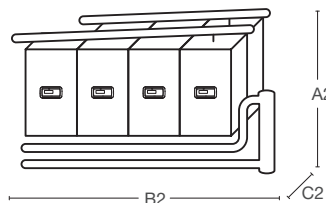
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		8		8	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		8		8	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		8		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE - Ø 6,3" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER - OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 to Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 to Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132385	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		8		8	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140427	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 93 (93A) N - ΔT = 10 °C		1		1	
20140433	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 145 (145A) N - ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	680 kW	720 kW	776 kW	784 kW	786 kW
CASCADE APPLICATION - Price (€)			100%		

784 kW**CASCADE CONFIGURATION CONDEXA PRO 868(HHV) – 784(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

A1:	2490 mm
A2:	2509 mm
B1:	6389 mm
B2:	4147 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

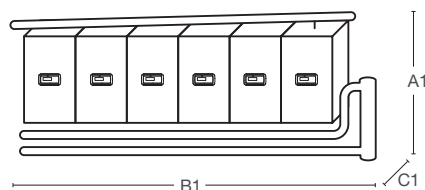
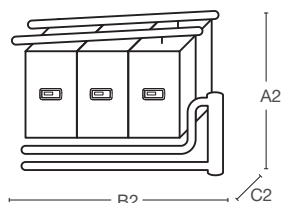
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		7		7	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		7		7	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		7		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		1		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132385	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		7		7	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140427	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 93 (93A) N – ΔT = 10 °C		1		1	
20140433	PLATE HEAT EXCHANGER MODEL SP 40 – DN65 145 (145A) N – ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	720 kW	776 kW	784 kW	786 kW	810 kW
CASCADE APPLICATION – Price (€)			100%		

786 kW
CASCADE CONFIGURATION CONDEXA PRO 876(HHV) - 786(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2461 mm
 A2: 2469 mm
 B1: 5643 mm
 B2: 3401 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

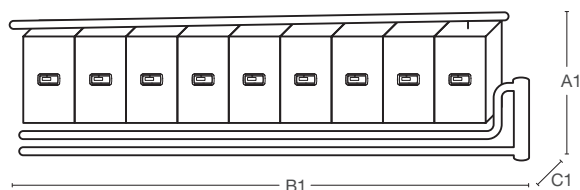
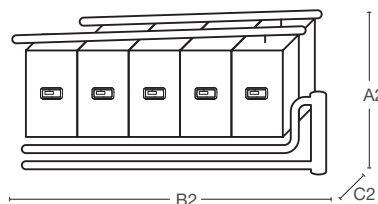
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		6		6	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		6		6	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		6		3	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
5. SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		6		6	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		6		3	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130223	FLANGED 5” HYDRAULIC MANIFOLD + FLANGED 3” GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5” BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5” HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4”F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6,3” – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10” LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		6	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		1		0	
20132385	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		6		6	
20132375	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN65 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		6		6	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140427	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 93 (93A) N - ΔT = 10 °C		1		1	
20140433	PLATE HEAT EXCHANGER MODEL SP 40 - DN65 145 (145A) N - ΔT = 7,2 °C		1		1	
20096868	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 101 PLATES)		1		1	
20140446	PLATE HEAT EXCHANGER MODEL SP 40 INSULATION KIT (UP TO 151 PLATES)		1		1	
20120282	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODELS SP 35 AND SP 40		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	776 kW	784 kW	786 kW	810 kW	873 kW
CASCADE APPLICATION - Price (€)			100%		

810 kW**CASCADE CONFIGURATION CONDEXA PRO 900(HHV) – 810(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

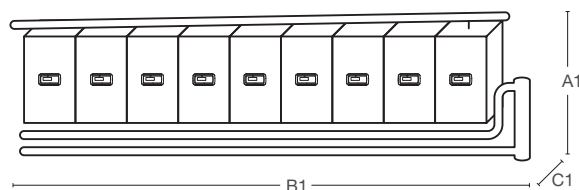
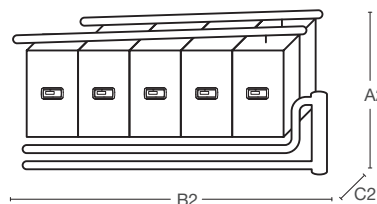
A1:	2376 mm
A2:	2367 mm
B1:	7885 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		9		9	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 – 100 – 115		9		9	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		0		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		3		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø G.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		9		9	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140435	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 51 (51A) N – ΔT = 10 °C		1		1	
20140438	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 65 (65A) N – ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	784 kW	786 kW	810 kW	873 kW	896 kW
CASCADE APPLICATION – Price (€)			100%		

873 kW
CASCADE CONFIGURATION CONDEXA PRO 972(HHV) - 873(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1:	2376 mm
A2:	2367 mm
B1:	7885 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

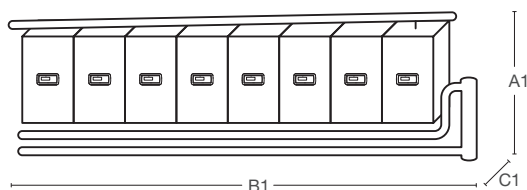
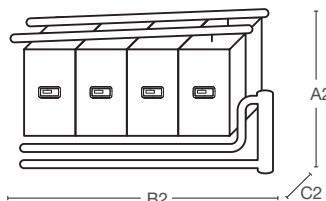
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		9		9	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		9		9	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		0		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		3		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE - Ø 6.3" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER - OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		9		9	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140435	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 51 (51A) N - ΔT = 10 °C		1		1	
20140439	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 73 (73A) N - ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	786 kW	810 kW	873 kW	896 kW	900 kW
CASCADE APPLICATION - Price (€)			100%		

896 kW**CASCADE CONFIGURATION CONDEXA PRO 992(HHV) – 896(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

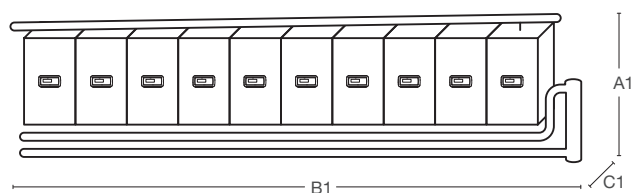
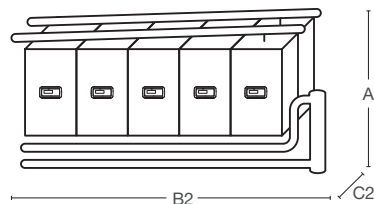
A1:	2519 mm
A2:	2509 mm
B1:	7137 mm
B2:	4147 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS			LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION	List. price (€)	Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		8		8	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		8		8	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		8		4	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		0	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132385	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø160 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		8		8	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140437	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 59 (59A) N – ΔT = 10 °C		1		1	
20140439	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 73 (73A) N – ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	810 kW	873 kW	896 kW	900 kW	917 kW
CASCADE APPLICATION – Price (€)			100%		

900 kW
CASCADE CONFIGURATION CONDEXA PRO 1000(HHV) - 900(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2405 mm
 A2: 2367 mm
 B1: 8631 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

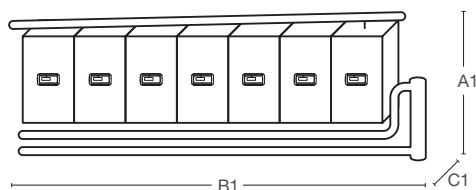
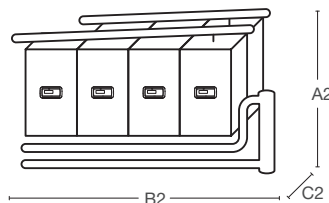
RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115225	CONDEXA PRO 90 (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		10		10	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		10		10	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE - Ø 6,3" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER - OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 to Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 to Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 to Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		10		10	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		10		10	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140435	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 51 (51A) N - ΔT = 10 °C		1		1	
20140439	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 73 (73A) N - ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	873 kW	896 kW	900 kW	917 kW	970 kW
CASCADE APPLICATION - Price (€)			100%		

917 kW**CASCADE CONFIGURATION CONDEXA PRO 1022(HHV) - 917(LHV)****LINEAR CASCADE****B2B CASCADE****DIMENSIONS**

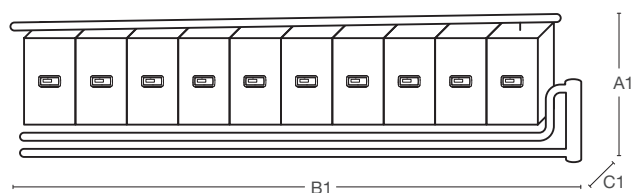
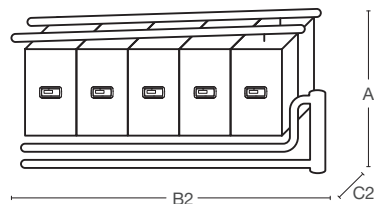
A1:	2490 mm
A2:	2509 mm
B1:	6389 mm
B2:	4147 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		7		7	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		7		7	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		7		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		3	
5. SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		7		7	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		7		4	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK)		0		3	
7. HYDRAULIC FLOW/RETURN MANIFOLDS - GAS MANIFOLDS - CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		1		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS - HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023104	WATER SAFETY VALVE UP TO 460 KW (5,4 BAR 3/4"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE - Ø 6,3" - T= 97°C - CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER - OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		5	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		2		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		7		7	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		7		7	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140435	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 51 (51A) N - ΔT = 10 °C		1		1	
20140439	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 73 (73A) N - ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	896 kW	900 kW	917 kW	970 kW	1008 kW
CASCADE APPLICATION - Price (€)			100%		

970 kW
CASCADE CONFIGURATION CONDEXA PRO 1080(HHV) - 970(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2405 mm
 A2: 2367 mm
 B1: 8631 mm
 B2: 4895 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115226	CONDEXA PRO 100 (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		10		10	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
3. SHUNT PUMPS OR 2-WAY VALVES						
20125034	SHUNT PUMP KIT FOR CONDEXA PRO 90 - 100 - 115		10		10	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1" F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6,3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		3		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

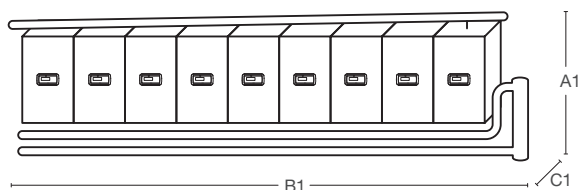
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		10		10	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE - DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 - 100 - 115 - 135		10		10	
4031812	CONDENSATE NEUTRALIZER N3 KIT - FROM 450 KW TO 1500 KW		1		1	
20140437	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 59 (59A) N - ΔT = 10 °C		1		1	
20083248	PLATE HEAT EXCHANGER MODEL SP 60 - DN100 77 (77A) N - ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

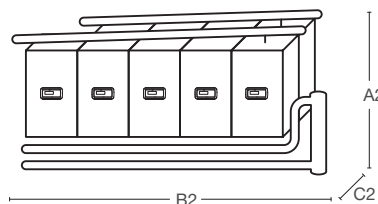
CONFIGURATION	900 kW	917 kW	970 kW	1008 kW	1048 kW
CASCADE APPLICATION - Price (€)			100%		

1008 kW CASCADE CONFIGURATION CONDEXA PRO 1116(HHV) – 1008(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2548 mm
A2:	2537 mm
B1:	7885 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

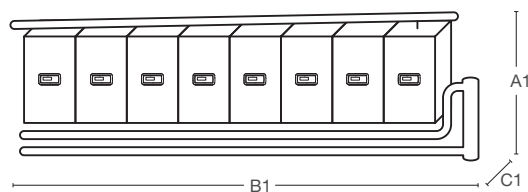
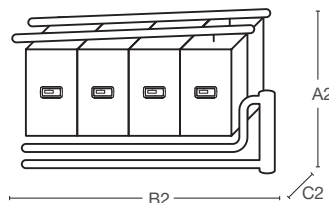
RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		9		9	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		9		9	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		9		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		9		9	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		9		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		0		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		3		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1" F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø G.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		7	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		9		9	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		9		9	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140438	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 65 (65A) N – ΔT = 10 °C		1		1	
20140440	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 85 (85A) N – ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	917 kW	970 kW	1008 kW	1048 kW	1120 kW
CASCADE APPLICATION – Price (€)			100%		

1048 kW
CASCADE CONFIGURATION CONDEXA PRO 1168(HHV) – 1048(LHV)
LINEAR CASCADE

B2B CASCADE

DIMENSIONS

A1: 2519 mm
 A2: 2509 mm
 B1: 7137 mm
 B2: 4147 mm
 C1: 511 mm
 C2: 942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115229	CONDEXA PRO 135 (IT/EN)		8		8	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		8		8	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		8		4	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		4	
5. SHUNT PUMPS OR 2-WAY VALVES						
20125040	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 135		8		8	
6. CONNECTION PIPES						
20131125	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 (OUTSIDE PUMP)		8		4	
20131792	CONNECTION PIPES WITH BALL VALVES FOR CONDEXA PRO 135 - OUTSIDE PUMP (BACK-TO-BACK)		0		4	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		1		2	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		0	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1"F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø G.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		3		6	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		3		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						

Optional Accessories

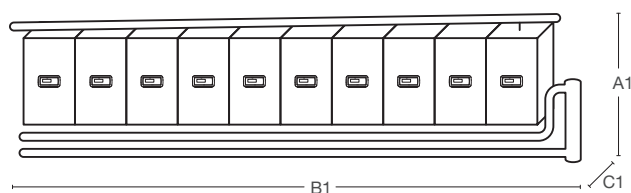
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		8		8	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		–		–	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		8		8	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140437	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 59 (59A) N – ΔT = 10 °C		1		1	
20140440	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 85 (85A) N – ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS – ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

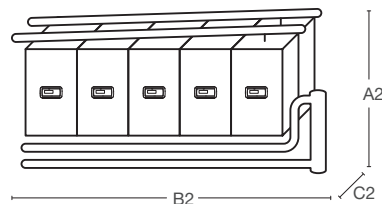
CONFIGURATION	970 kW	1008 kW	1048 kW	1120 kW
CASCADE APPLICATION – Price (€)			100%	

1120 kW CASCADE CONFIGURATION CONDEXA PRO 1240(HHV) - 1120(LHV)

LINEAR CASCADE



B2B CASCADE



DIMENSIONS

A1:	2578 mm
A2:	2537 mm
B1:	8631 mm
B2:	4895 mm
C1:	511 mm
C2:	942 mm

RECOMMENDED BILL OF MATERIALS

RECOMMENDED BILL OF MATERIALS		List. price (€)	LINEAR CASCADE		B2B CASCADE	
CODE	DESCRIPTION		Q.ty	Price (€)	Q.ty	Price (€)
1. BOILER MODEL SELECTION						
20115228	CONDEXA PRO 115 (IT/EN)		10		10	
2. COMPLEMENTAY ACCESSORIES						
20131267	CONDENSATE DRAIN SYPHON KIT FOR CASCADE BOILER		10		10	
20132778	OUTDOOR PROBE		1		1	
20175714	PRIMARY CIRCUIT PROBE CONDEXA PRO CASCADE		1		1	
4. RIG SELECTION						
20131663	RIG FOR LINEAR CASCADE CONFIGURATION		10		5	
20131664	TRANSFORMATION RIG KIT FOR BACK TO BACK CASCADE CONFIGURATION		0		5	
20125035	HIGH RESIDUAL HEAD SHUNT PUMP KIT FOR CONDEXA PRO 115		10		10	
6. CONNECTION PIPES						
20131124	CONNECTION PIPES WITH BALL VALVES		10		5	
20131791	CONNECTION PIPES WITH BALL VALVES FOR ALL CONDEXA PRO MODELS (BACK-TO-BACK)		0		5	
7. HYDRAULIC FLOW/RETURN MANIFOLDS – GAS MANIFOLDS – CONDENSATE MANIFOLDS						
20130222	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 2 RIGS CASCADE (FROM 486 KW TO 1120 KW)		2		1	
20130223	FLANGED 5" HYDRAULIC MANIFOLD + FLANGED 3" GAS MANIFOLD KIT FOR 3 RIGS CASCADE (FROM 486 KW A 1120 KW)		2		1	
20070907	5" BLIND FLANGES KIT		1		1	
8. PRIMARY CIRCUIT PUMPS – HYDRAULIC EXTENSION FOR SAFETY KIT						
20070912	5" HYDRAULIC MANIFOLD EXTENSION FOR SAFETY KIT		1		1	
20071190	INAIL DEVICES FOR CASCADE MANIFOLD		1		1	
20023106	WATER SAFETY VALVE UP TO 580 KW (5,4 BAR 1" F)		2		2	
20061640	GAS SAFETY CUT-OFF VALVE – Ø 6.3" – T= 97°C – CAPILLARY TUBE L = 5 M		1		1	
9. HYDRAULIC SEPARATOR OR PLATE HEAT EXCHANGER						
20069074	10" LOW LOSS HEADER – OVER 580 KW AND UP TO 1120 KW		1		1	
10. SECONDARY CIRCUIT MANAGEMENT						
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
13. FLUE SYSTEMS						
20062338	Ø160 CONDENSATE DRAIN KIT WITH END CAP		1		2	
20131266	Ø160 FLUE COLLECTOR FOR 1 BOILER		4		8	
20132391	FLUE ECCENTRIC ADAPTER FROM Ø160 TO Ø200		1		2	
20131901	Ø200 FLUE COLLECTOR FOR 1 BOILER		2		2	
20132393	FLUE ECCENTRIC ADAPTER FROM Ø200 TO Ø250		1		0	
20131903	Ø250 FLUE COLLECTOR FOR 1 BOILER		4		0	
20132386	FLUE COLLECTOR KIT FOR B2B INSTALLATION FROM Ø200 TO Ø250		0		1	
BOM Total Price (VAT Excluded)						
Optional Accessories						
20082191	5" FLANGE KIT		2		2	
20132377	HYDRAULIC FLOW/RETURN MANIFOLD COVER		10		10	
20132376	CONNECTION KIT FOR PLATE HEAT-EXCHANGER (5"/DN125 MANIFOLDS SIDE – DN100 PLATE HEAT-EXCHANGER SIDE)		1		1	
1220599	PROBE FOR SECONDARY CIRCUIT / DHW TANK		1		1	
20130811	ELECTRONIC ZONE MANAGEMENT KIT TO MANAGE AN ADDITIONAL DIRECT OR MIXED ZONE (MAX 16)		-		-	
20131668	ROOM SEALED (TYPE C) TRANSFORMATION KIT FOR CONDEXA PRO 90 – 100 – 115 – 135		10		10	
4031812	CONDENSATE NEUTRALIZER N3 KIT – FROM 450 KW TO 1500 KW		1		1	
20140439	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 73 (73A) N – ΔT = 10 °C		1		1	
20083249	PLATE HEAT EXCHANGER MODEL SP 60 – DN100 97 (97A) N – ΔT = 7,2 °C		1		1	
20096918	PLATE HEAT EXCHANGER MODEL SP 60 INSULATION KIT (UP TO 101 PLATES)		1		1	
20120284	FLOOR MOUNT BRACKETS KIT FOR PLATE HEAT EXCHANGER MODEL SP 60		1		1	

CASCADE APPLICATIONS - ECONOMIC COMPARISON WITH SIMILAR POWERS IN %

CONFIGURATION	1008 kW	1048 kW	1120 kW
CASCADE APPLICATION - Price (€)			100%

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CONDEXA PRO

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