RIELLO

CONNECTIVITY

RiCLOUD, the smart thermostat.

PAGE 04

TECHNOLOGY AND DESIGN

The new Riello wall-hung boilers designed for the future.

PAGE 08

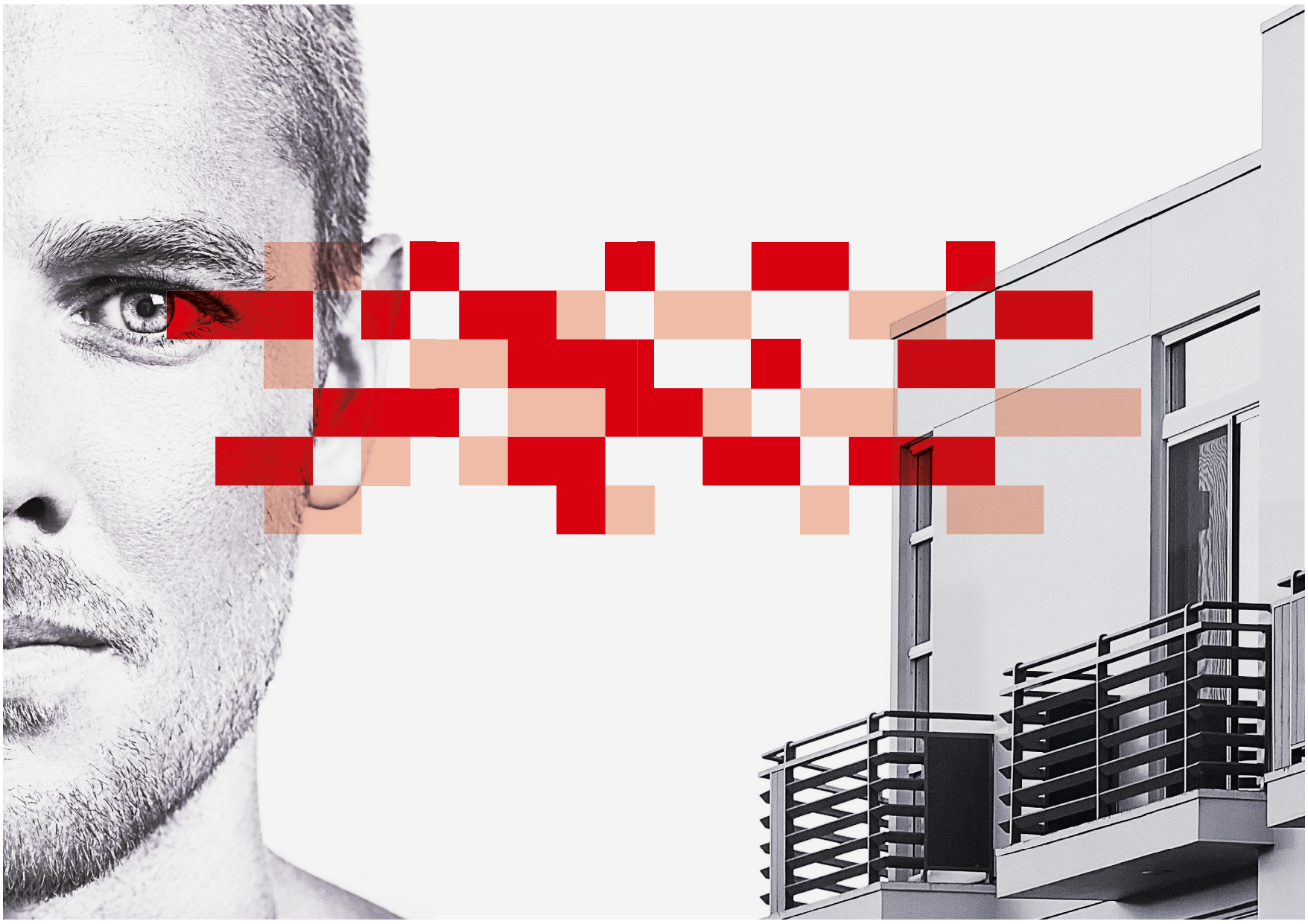
FLEXIBILITY

Heating system excellence with Riello.

PAGES 17/18/19

THE RIELLO SYSTEM HARMONISES PEOPLE, PRODUCTS, TECHNOLOGIES AND ENERGY SOURCES.

Together, into the future.



Residential solutions for multi-energy applications. Riello's hybrid boiler projects heating to the future.

PAGE 06

For more information visit the websites www.riello.com

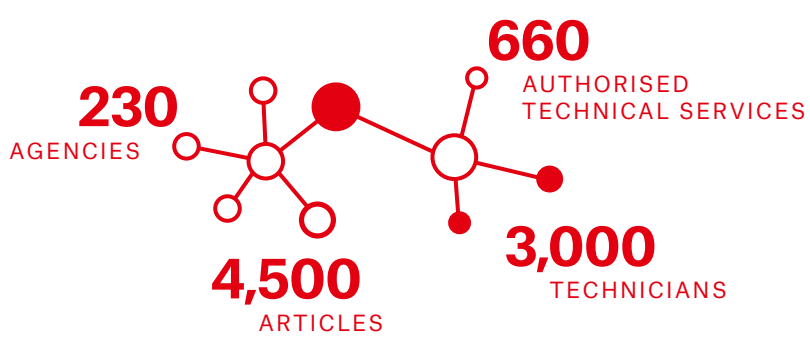
100% recycled paper

RIELLO, THE LEADING BRAND

Key player in Italy and world leader in burners.

At the top of the burners business and leading player in Italy. The most competent and widespread network in Italy, with over 230 agencies, 660 STA (Authorised Technical Service Centres), over 3,000 technicians and thousands of affiliated installers.

On the strength of an experience built over more than 90 years of great successes and innovations, thanks to projects and solutions aimed at exploiting efficiently all energy sources, Riello is the leading Italian brand in the production of heating and air conditioning systems and technologies for all residential and professional environments.



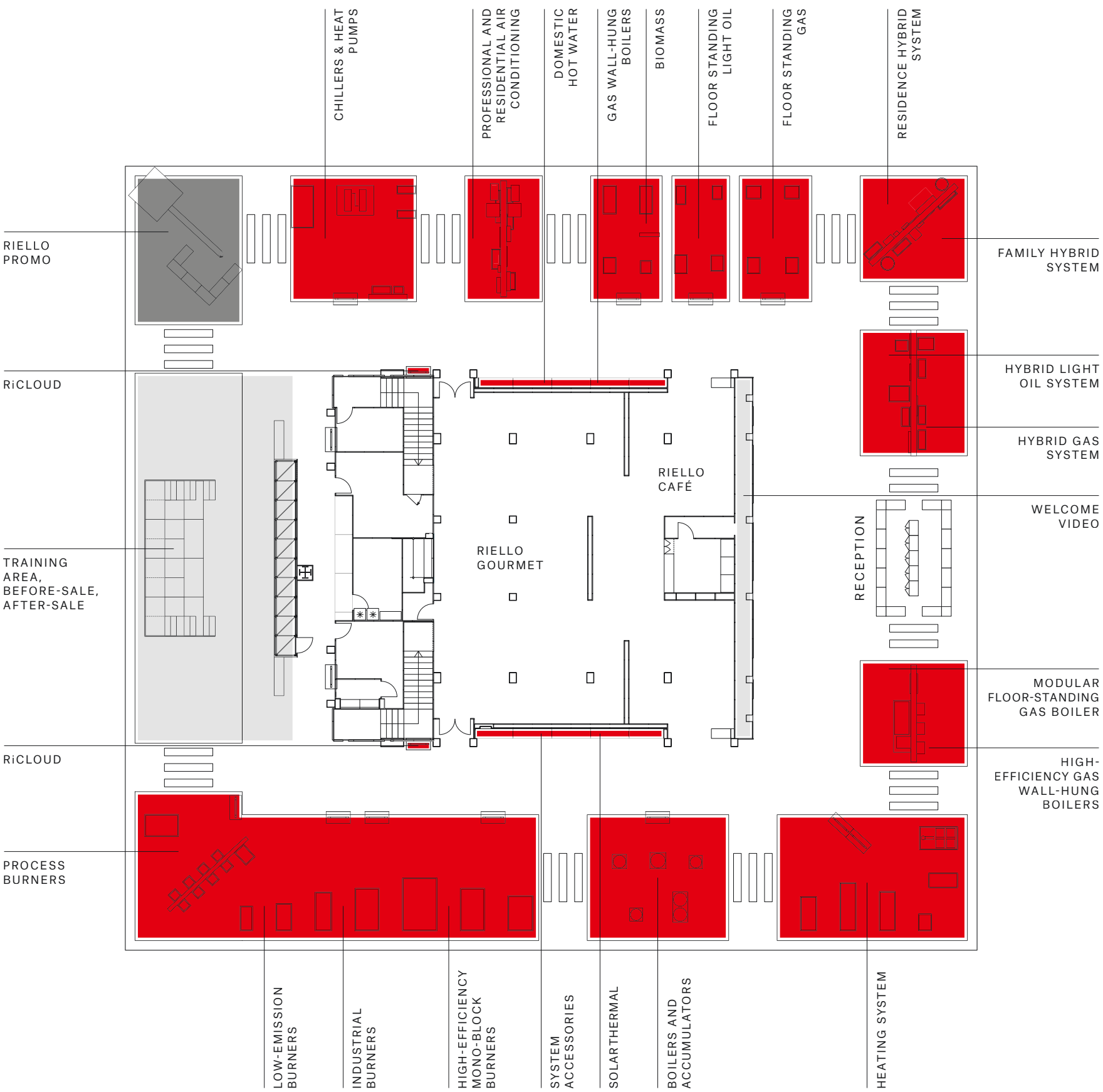
The strength of innovation.

Riello draws its strength from its technological innovation capacity and from the experience acquired through the years, combined with the commitment of a team of technicians, professionals, and collaborators called daily to contribute hard work, skill, and creativity.

- WALL-HUNG GENERATORS
- FLOOR-STANDING GENERATORS
- BIOMASS GENERATORS
- GAS CONVECTOR HEATERS
- WATER HEATERS
- SOLAR THERMAL AND BOILERS
- HEAT PUMPS
- AIR CONDITIONING
- FAN COILS
- CONTROL AND HEAT REGULATION PANELS
- CONDENSING GENERATORS
- FORCED DRAUGHT BOILERS
- HOT AIR
- BURNERS
- TERMINAL UNITS
- AIR TREATMENT
- SYSTEM ACCESSORIES

For more information visit the websites www.riello.com

RIELLO AT MCE 2016



THE PRODUCTS' INFORMATION AND IMAGES CAN BE DOWNLOADED FROM THE **RIELLO.COM** WEBSITE. CONTACT THE RIELLO PRESS OFFICE TO OBTAIN THE ACCESS PROCEDURES: IMAGE BUILDING, TEL. **02 89.011.300** - EMAIL: **CORPORATE@IMAGEBUILDING.IT**

MUSEO NAZIONALE SCIENZA E TECNOLOGIA LEONARDO DA VINCI (LEONARDO DA VINCI SCIENCE AND TECHNOLOGY MUSEUM) – MILAN

In the context of the activities promoted in Milan for EXPO2015, Riello participated in the exhibition **#FoodPeople**: a tour to narrate the evolution of mechanisation, agriculture and food-related technologies, and food consumption habits during the latest 150 years, with an eye towards the future. Riello's emblematic object was the first cooker of the 1950s, with the Briket burner, a typical example of the close link between the Company's activities and the food and agricultural industry.

RiCLOUD

EASY, EFFICIENT, CONNECTED.

EASY

RiCLOUD is Riello's easy and smart solution for your Comfort and Savings. Built with the latest technologies, RiCLOUD will surprise you with its user-friendliness and simple installation. The App RiCLOUD, will make managing your home environment or checking your boiler* easy and intuitive as never before.

EFFICIENT

Combined with the latest generation* Riello boilers, with outside temperature reading, RiCLOUD allows the system to achieve the energy class A+ (European Regulation 811/2013). In addition, the possibility to interconnect up to 8 RiCLOUD units, each capable of controlling an individual room, makes it possible to optimise the heating system's energy consumption: RiCLOUD thus pays for itself quickly and independently.

CONNECTED

Leaving for your vacation home?
Back from a business trip?
From your smartphone or tablet, the App RiCLOUD will allow you to check and modify the programming of your heating system and the state of your boiler* wherever you are.

* Only for the compatible models connected through BUS.

EFFICIENCY

Savings of up to 30% on yearly heating fuel consumption compared to a conventional thermostat.

FINANCIAL INCENTIVES

The Wi-Fi version is covered by tax deductions of 65%.

EASY FOR EVERYONE

Easy and intuitive home temperature programming.

ALWAYS CONNECTED

Easy management of comfort with dedicated App for smartphones and tablets.

REMOTE CONTROL

Remote control of ignition, operation, and programming of the boiler and timed thermostat.

FAST INSTALLATION

It does not require intervention on the home's electrical system.

UNIVERSAL

Compatible with past and current Riello heating products.

SMART ASSISTANCE

Complete peace of mind with the on-line connection to Riello's Authorised Technical Service.

COMPATIBILITY CON TABLETS AND SMARTPHONES

The app RiCLOUD was developed for smartphones and tablets that use iOS and Android (≥ vers. 3.0).

CAN BE CONNECTED TO THE HOME ROUTER THROUGH WI-FI

RiCLOUD, combined with the Wi-Fi Box, can easily connect to the home router to allow managing the home temperature and the boiler*, also remotely.

WIRELESS INTERCONNECTION OF THE RiCLOUD ACCESSORIES

RiCLOUD connects wirelessly with the Wi-Fi Box; this technical solution allows covering reliably even long distances between the devices (up to 40 m).

REMOTE MANAGEMENT OF THE BOILER

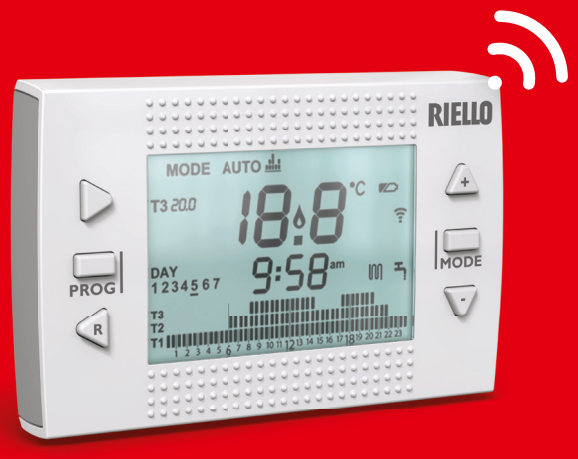
RiCLOUD does not just manage the home temperature; by connecting to it through BUS*, it reproduces the on-board commands of the Riello boilers on the smartphone or tablet. It is possible to remotely turn on or off the generator, control the temperatures, and much more.

FROM THERMOSTAT TO TIMED THERMOSTAT

RiCLOUD can be used as a simple thermostat in which the desired temperature is set directly with the + e - keys. Very simple to use even for the least technically-minded users. By changing the operating mode, RiCLOUD turns into a modern timed thermostat with a time resolution of 30 minutes and 3 temperature levels.

WEEKLY PROGRAMMING THROUGH THE APP

The weekly ambient temperature programming section found in the RiCLOUD app simplifies what has always been complicated. Correct management of the ambient temperature, adaptable to the Customer's needs, guarantees, besides comfort, noticeable financial savings, by eliminating the energy waste.



THE SMART THERMOSTAT.

8 AREAS AT INDEPENDENT TEMPERATURES

The Wi-Fi Box can manage 8 areas independently, to guarantee the desired temperature in each room.

SAVINGS UP TO 30%

(Simulation by comparing a dwelling equipped with 1 on/off thermostat to a multi-zone solution controlled through Wi-Fi)

A single thermostat that controls the house's heating system manages only the temperature of the area in which the thermostat is located. Switching to RiCLOUD allows weekly programming on the basis of one's needs and, therefore, facilitates a more rational use of heating fuel.
But RiCLOUD can deliver more: it makes it possible to program independently the temperature of several rooms at the same time (see example of multi-zone programming); also, if connected to the Riello boiler through BUS, it makes it possible to turn it on or off remotely. Have your needs changed? Do you want to modify your home's temperature profile? Now you can do it wherever you are, easily and quickly.
The energy savings are guaranteed.

HEATING AND COOLING

RiCLOUD can be programmed to manage both heating and cooling of the home.

OUTDOOR TEMPERATURE

By connecting the outdoor sensor (wireless - battery-free) RiCLOUD reads and displays the outdoor temperature. Alternatively, if connected to the network through a Wi-Fi Box, by entering the installation location, it is possible to obtain the information in real time directly through the internet.

BACKLIT DISPLAY

The large display is backlit, to allow optimum reading even in dim light.

CLASS A+ HEATING SYSTEMS

When combined with the latest generation** Riello condensing boilers, RiCLOUD makes it possible to build class A+ heating systems (European Regulation 811/2013) without any additional devices.

EASY INSTALLATION

RiCLOUD is supplied with the wall-mounting base equipped with an air bubble level to facilitate perfect installation.

EXPANDABLE

The RiCLOUD is complemented by a series of accessories to cover all installation needs.

*Verify the compatibility of the BUS connection with your model of Riello boiler.

**Verify the compatibility of the Riello Boiler with RiCLOUD through the Riello Authorised Technical Service or on the website www.riello.com/ricloud

Riello's hybrid boiler projects heating into the future.

Riello accepts the challenge of hybrid innovation, offering both gas and light oil, wall-hung and floor-standing solutions. All conceived by Riello to emphasise the synergy among various energy sources and make a practical contribution towards decreasing consumptions and emissions.

Hybrid devices combine the use of conventional fuels with heat pumps and other renewable energy sources, to supply heat to the home in the most efficient fashion, either directly or through technical or domestic water tanks.

FAMILY HYBRID

Family Hybrid is the reversible hybrid system built by combining a latest-generation condensing boiler with an external heat pump unit, connected through refrigeration gas pipes. The interactive operation of the two generators is optimised thanks to an innovative hydraulic mixing system located in the rear frame, which also acts as inertial storage.

WI-FI CONNECTION AS STANDARD EQUIPMENT AND VERSION WITH TOTAL MANAGEMENT OF THE SYSTEM THROUGH APP

DYNAMIC PRIORITY IN THE CHOICE OF THE PRINCIPAL ENERGY SOURCE

THREE-WAY VALVE TO CONNECT TO A DOMESTIC WATER BOILER MANAGED BY THE HEAT PUMP

MULTI-ZONE DISTRIBUTION SYSTEM THAT CAN BE MANAGED BY RiCLOUD

CLASS A+ HEATING

RESIDENCE HYBRID

Residence Hybrid is a hybrid system built by combining a condensing boiler and a heat pump, which communicate through BUS. Highly configurable solution. It covers all installation needs: internal, built-in, and external in a partially protected location.

REMOTE INTERFACE WITH MULTILINGUAL GRAPHIC DISPLAY

SMART REMOTE SYSTEM LOADING

ONE-ZONE DISTRIBUTION SYSTEM AND THREE-WAY VALVE TO LOAD BOILER

MULTI-ZONE DISTRIBUTION SYSTEM THAT CAN BE MANAGED BY RiCLOUD

OPTIONAL WI-FI CONNECTION

RSM (RIELLO MULTI-ENERGY SYSTEM)

System consisting of a 15 kW light oil low-emissions condensing boiler (gas premix in alternative), 6 kW inverter and reversible heat pump, and new design solar panels.

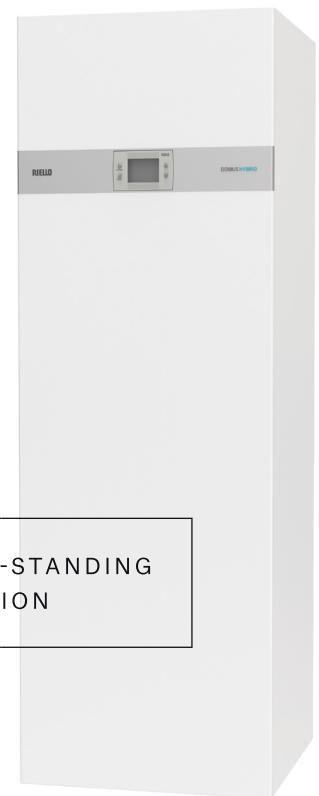
READY FOR CONNECTION TO OTHER BIOMASS (WOOD CHIPS OR PELLETS) AND PHOTOVOLTAIC ENERGY SYSTEMS

150 LITRE BOILER, WITH PRE-HEATER AND AUTOMATIC ANTI-LEGIONELLA SYSTEM

INITIAL 250 LITRE STORAGE WITH DISTRIBUTION SYSTEM BASED ON TEMPERATURE

HEAT PUMP WITH HIGH COP AND EER VALUES

ROOM COOLING UNIT WITH LOW AESTHETIC AND NOISE IMPACT



DOMUS HYBRID

Floor-standing hybrid generator with 200 litre domestic water boiler, with two coils, powered by a gas generator and, depending on the version, by a heat pump or solar thermal system. Power range of the gas generator from 3.5 to 35 kW; it can be combined with Nexpolar heat pumps of up to 12 kW with BUS control. Can be expanded to up to three internal distribution areas.

REMOTE INTERFACE WITH MULTILINGUAL GRAPHIC DISPLAY

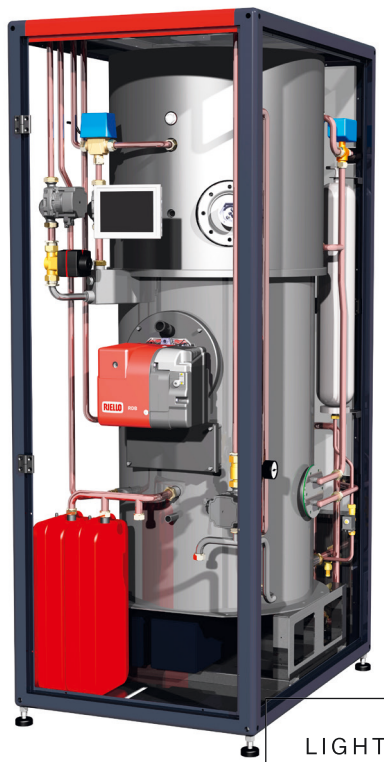
REMOTE LOADING OF SMART SYSTEM

1:10 TURN-DOWN RATIO OF THE GAS GENERATOR

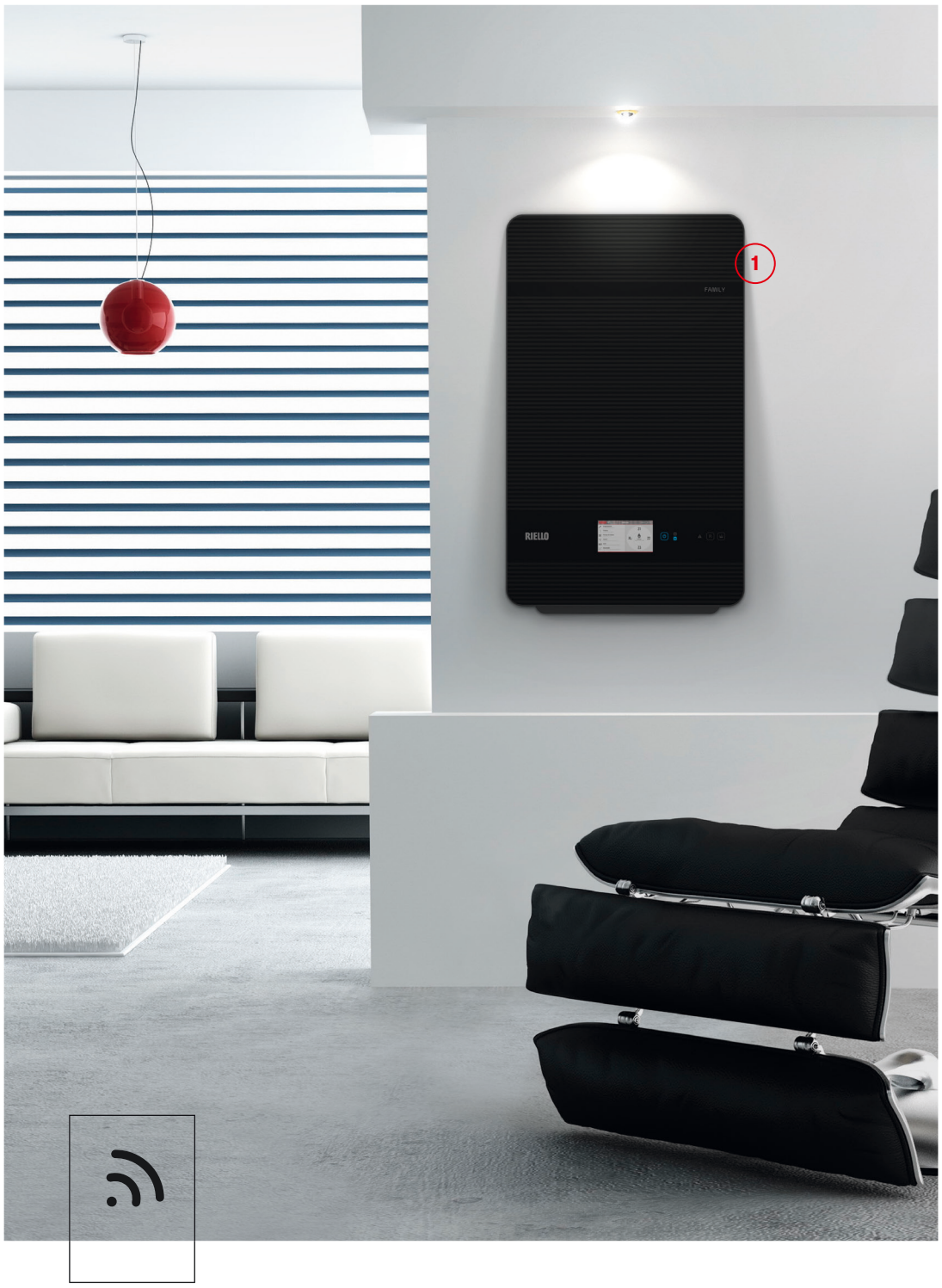
INTEGRATED SOLAR MANAGEMENT

50 LITRE INERTIAL STORAGE (OPTIONAL)

MULTI-ZONE DISTRIBUTION SYSTEM THAT CAN BE MANAGED BY RiCLOUD



The new Riello wall-hung boilers designed for the future.



Leading edge technology and design with Riello.

The new Riello lines of wall-hung condensing boilers are at the heart of the household equipment offer of the next few years. They are characterised by the use of various energy sources within the same dwelling and by opening to the world of advanced communi-cations, in combination with the connected services. An ongoing complete renewal, consistent with the Riello style.

1 / FAMILY CONDENS

Touchscreen colour interface, standard Wi-Fi connection, system expandable through BUS, self-adapting electronic control of combus-tion, high turn-down ratio, innovative primary heat exchanger, connection to RiCLOUD through BUS.

2 / RESIDENCE CONDENS

Multilingual graphic interface can be remote, highly expandable system through BUS, Wi-Fi connection (optional), self-adapting electronic control of combustion, high turn-down ratio, connection to RiCLOUD through BUS.

3 / START CONDENS

Encoder interface with large display, internal, external, built-in application, integrated solar management (through optional kit), connection to RiCLOUD through BUS.

Riello's style and technology at the service of well-being.

The highest comfort with a captivating look.

RIELLO FAN COILS STAND OUT BECAUSE OF THEIR REFINED LINES AND ULTRA-THIN DESIGN, WHICH ALLOW THEIR FULL INTEGRATION IN ALL SPACES.

Top solution of the Riello line, combining the convection and ventilation effect with the radiation of the front panel, to guarantee the maximum heating comfort.

DESIGN WALL

NEW

Wall-hung fan coil: elegant lines and minimum depth. It is equipped with display and remote control of the motorised fins that guarantee the best air distribution and the highest comfort of the persons in the room.

Riello's products for built-in installations for the highest rationalisation of the spaces with the lowest impact on the wall. It is also available in the ceiling version to satisfy all installation requirements.

INVISIBLE INVERTER

DESIGN INVERTER PLUS

DESIGN INVERTER

The model combines elegant lines with the highest performance. The quiet operation and low-depth design were conceived to guarantee the greatest versatility in both residential and commercial spaces.

THE DC INVERTER TECHNOLOGY WITH A HIGH EFFICIENCY BRUSHLESS MOTOR MAKES IT POSSIBLE TO DECREASE CONSUMPTION AND ENSURES EXTREMELY QUIET OPERATION. THE TOUCHSCREEN CONTROL PANEL IS ALSO HIGH TECH; IT IS AVAILABLE IN ON-BOARD OR WALL-HUNG VERSION WITH POSSIBILITY OF M-BUS COMMUNICATION.

HIGH EFFICIENCY · RELIABILITY · VERSATILITY · USER-FRIENDLINESS · COMPACT DESIGN · LCD DISPLAY · HEATING/COOLING

Biomass in class 5 with Riello.

Riello, a leader in heating, offers a highly innovative range of biomass products.

The new Riello class 5 biomass boilers are the result of the ongoing technological development that characterises all the Company's products. The choice of materials, electronic controls, and design in accordance with the strictest quality standards guarantee top performance, reliability, safety, and user-friendliness. Riello's price always includes the commissioning by an Authorised Technical Service Centre.

1 / RCP

Modulating, fully automatic pellet boiler. Combustion management with lambda probe. Automatic cleaning. Ideal for installations where autonomy and constant performance over time are crucial.

2 / RCL

Wood chips gasification boiler made of steel. Combustion management with lambda probe. Automatic cleaning. Ideal for villas and rural buildings.

3 / ATMOSFERA P

Pellet boiler with steel body, wide turn-down range, and integrated tank. Easy cleaning. Ideal where space is especially valuable.

4 / ATMOS LINE EVO

Wood chip boiler with steel body and reverse flame combustion. Large loading and combustion chambers.

HIGH EFFICIENCY · RELIABILITY · CONTROL ELECTRONICS · SAFETY · HIGH DEGREE OF AUTONOMY · VERSATILITY · USER-FRIENDLINESS · FINANCIAL INCENTIVES

LIGHT OIL OR GAS: RIELLO HAS THE SOLUTION FOR ALL NEEDS ↓

Floor-standing heating and domestic hot water are spelled Riello.

Riello continues to renew its floor-standing product line with increasingly modern, reliable and quiet appliances.

Riello addresses all installation needs by offering gas and light oil solutions for heating and domestic hot water, always with top performers.

LIGHT OIL SOLUTIONS

THE DOMUS LINE DISPLAYS AN ENTIRELY NEW LOOK AND USES NEW SMART CONTROL ELECTRONICS, WITH INTUITIVE INTERFACE THAT CAN OPERATE REMOTELY; IT CONFIRMS ITSELF AS THE BEST ANSWER FOR FLOOR-STANDING GAS SYSTEMS.

DOMUS CONDENS

It is available in compact version with heat-only models having widths <450 mm, optimised for replacements (600x600 mm), in combined version on-demand and with 60, 120, and 200 litre boilers.

- MULTILINGUAL GRAPHIC INTERFACE CAN BE REMOTE
- FRONT-ACCESS HEAT EXCHANGER
- HIGH TURN-DOWN RATIO
- SMART INSTALLATION LOADING
- INTERNAL ACCESSORIES
- POSSIBILITY OF WI-FI CONNECTION
- READY FOR CONNECTION TO THE MULTI-ZONE DISTRIBUTION SYSTEM MANAGED BY RiCLOUD

GAS SOLUTIONS

RIELLO MEETS THE ERP REQUIREMENTS BY OFFERING CLASS B LIGHT OIL APPLIANCES, WHICH MAKES LIQUID FUEL STILL VIABLE, BOTH FOR REPLACEMENTS AND UPGRADES. WHEN IT IS NOT POSSIBLE TO USE GAS, NEW INSTALLATIONS TOO CAN BENEFIT FROM VERY HIGH PERFORMANCE APPLIANCES.

INSIEME EVO

Light oil heating units made of steel, available in open chamber or sealed chamber version, heating-only, combined on-demand, or with integrated boiler (60 or 95 l).

- 7 MODELS FROM 25 TO 32 KW
- ERP READY IN CLASS B
- STANDARD AND LOW NOX COMBUSTION (CLASS 3 IN ACCORDANCE WITH UNI EN 297)
- SINGLE PASS HEAT EXCHANGER WITH REMOVABLE TURBULATORS
- INTUITIVE CONTROL PANEL

GITRÈ

Light oil heating units made of cast iron, available in heating-only version or with integrated 100 l boiler. Easy handling thanks to the rear rolling wheels.

- 8 MODELS FROM 25 TO 40 KW
- ERP READY IN CLASS B
- STANDARD AND LOW NOX COMBUSTION (CLASS 3 IN ACCORDANCE WITH UNI EN 297)
- EXCHANGE BODY MADE OF CAST IRON WITH THREE FLUE PASSES WITH EXTRACTABLE TURBULATORS AND FINNED CHANNELS
- INTUITIVE CONTROL PANEL

DESIGN, EFFICIENCY, AND VERSATILITY FOR RESIDENTIAL AIR CONDITIONING

Riello air conditioners to satisfy all needs.

The mono and multi-split inverter air conditioners are the result of Riello's thirty year experience in residential and professional sector air conditioning. Performance, respect for the environment, choice of materials, and attention to each single fabrication detail are crucial prerequisites for Riello. Perfect comfort at all times in all rooms, thanks to the inverter technology and several special functions that make it possible to purify the air and better direct its flow.

AARIA S

UNCOMPROMISING FUNCTIONALITY AND EFFICIENCY

TOP PERFORMANCE
EXTREME QUIETNESS
EXCLUSIVE DESIGN
EXCELLENT AIR PURIFICATION
SMART AIR FLOW
"FOLLOW ME" FUNCTION

AARIA MONO

THE SMART CHOICE

HIGH PERFORMANCE
QUIETNESS
EXCLUSIVE DESIGN
AIR PURIFICATION
SMART AIR FLOW
VERSATILITY

AARIA MONO IQ

THE SMART SOLUTION

EFFICIENCY
QUIETNESS
COMPACT DESIGN
POLLEN FILTER
SMART AIR FLOW
DEEP RANGE OF PRODUCTS

THE AARIA LINE

Five choices for all tastes and needs.

The AARIA line offers a broad choice of interior units to manage up to 5 rooms.

1 / WALL-HUNG AMW – 2 / FLOOR-STANDING AMC
3 / WALL/CEILING AMS – 4 / CASSETTE AMK
5 / CONVEYABLE AMD

AARIA S3

THE FUTURE IS NOW

R-32

Riello offers the AARIA S3 line of air conditioners which uses the new generation R-32 gas; this gas offers many environmental and efficiency advantages.

CLASS A+++ IN HEATING AND COOLING

LOW ENVIRONMENTAL IMPACT REFRIGERATING GAS (GWP= 675)

NEW LOOK

THE PERFECT SOLUTION FOR ALL PROFESSIONAL NEEDS

OPERATING RANGE

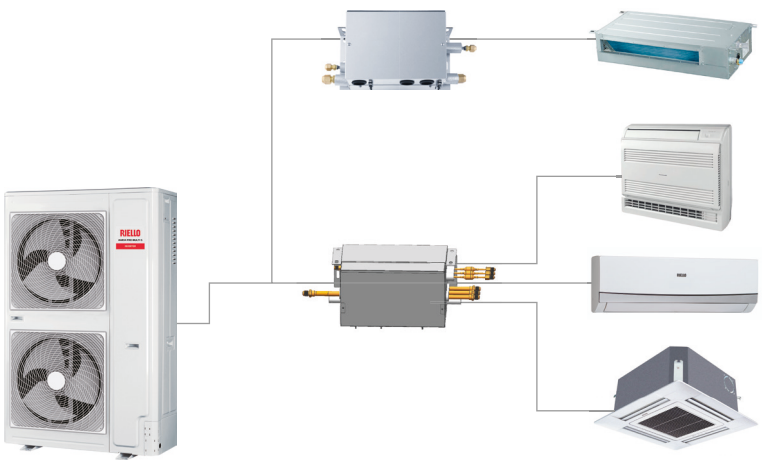
46 °C IN AIR CONDITIONING MODE

-15 °C AS HEAT PUMP

THE INVERTER AIR CONDITIONERS OF THE RIELLO AARIA PRO LINE COMBINE DESIGN AND EFFICIENCY AND GUARANTEE OPTIMUM MANAGEMENT OF THE TEMPERATURE; THE INVERTER TECHNOLOGY ALSO PROVIDES HIGH EFFICIENCY EVEN AT EXTREME TEMPERATURE.

AARIA PRO MAXI

The AARIA PRO MAXI line was designed to serve several large spaces at the same time, guaranteeing optimum air distribution. It is possible to connect several interior units (up to a maximum of 4) of the same type and power (ceiling AMS or cassette AMK) to a single outside unit. Available in the power range from 10 kW to 15.5 kW.



AARIA PRO MULTI S

AARIA PRO MULTI S is the Riello system that makes it possible to connect several interior units (up to a maximum of 26) to a single outside unit, to build summer and winter air conditioning systems for medium to large commercial applications. This system combines the reliability and energy performance of the technology available to the two-tubes variable refrigerant with the ease of installation and sizing of a multisplit, thanks to the presence of the intermediate distribution groups, to which the interior units of the AARIA MONO/MULTI lines are connected.

AARIA PRO MONO

Within the AARIA PRO line, you can choose from a broad range of interior units and several power options, from 7.0 to 15.5 kW.

1 / WALL AMW – 2 / CASSETTE AMK
3 / PILLAR AMT – 4 / CHANNELLED AMD
5 / CEILING/WALL AMS

Domestic water heaters and heat pumps: Riello's product lines.

NEXAQUA

NexAqua is the product offered by Riello conceived and optimised to generate domestic hot water for household use. The unit consists mainly of a heat pump and a boiler. NexAqua's high efficiency is due to the use of an R134a refrigeration circuit and allows heating the water up to 55 °C. The boiler is equipped with two 1.0 kW electrical heating elements as standard equipment.

HEAT PUMP DOMESTIC HOT WATER

MINI - MINI FOR OUTDOORS

Riello Mini is a small boiler intended specifically to generate domestic hot water. It is available in 11, 13, and 17 litre/minute models; the 11 and 13 models are provided also in outdoor versions.

ON-DEMAND GAS WATER HEATER

HEAT PUMP DOMESTIC HOT WATER

NEXPRO 300

NexPro 300 is the product offered by Riello conceived and optimised to generate domestic hot water for household use. The unit consists mainly of a heat pump and a boiler.
The high efficiency of NexPro 300 is due to the use of an R134a refrigerating circuit, which uses a high efficiency compressor to generate a thermal power of about 1,870 W using only 615 W of electrical power, heating the water up to 60 °C.

RIELLO HEAT PUMPS

Comfort combined with the highest efficiency.

A complete solution for air conditioning and domestic hot water generation.

RIELLO OFFERS A COMPLETE LINE OF HEAT PUMP OPTIONS THAT MAKE IT POSSIBLE TO PROVIDE HEATING, COOLING AND DOMESTIC HOT WATER GENERATION, IN AN EFFICIENT, ECONOMICAL AND ENVIRONMENTALLY RESPONSIBLE FASHION.

NEXSIRIUS 004-015

High-efficiency Aria-Acqua split inverter heat pump. A solution optimised for comfort and operating efficiency for household heating.

NEXPOLAR 004-015

High efficiency monoblock air-water inverter heat pump. "Plug & play" solution, ideal for household use.

THE NEW RIELLO HEAT PUMPS COMPLY, AHEAD OF TIME, WITH THE EFFICIENCY VALUES REQUIRED FOR 2017.

NEXPOLAR 017-021

High efficiency monoblock Air-Water inverter heat pump. Modular "plug & play" solution, can connect to up to 4 units (84 kW) in cascade.

NXP 044-164

Air-Water cycle inversion heat pump to heat commercial premises. Maximum reliability and efficiency thanks to the high degree of splitting. "Full touch screen" intuitive interface with possibility of M-BUS connection.

HIGH EFFICIENCY · RELIABILITY · CONTROL ELECTRONICS · HEATING/ COOLING · VERSATILITY · USER-FRIENDLINESS · FINANCIAL INCENTIVES

RIELLO'S CORE STRENGTHS: KNOW-HOW, TECHNOLOGY, INNOVATION

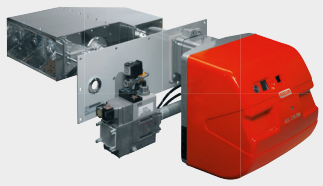
Riello burners, solutions for all needs and applications.

LOW-EMISSION BURNERS

The Riello burners line offers various solutions for the combustion of gas, light oil, and kerosene, while complying with the strictest European regulations, including the ErP Directive and related new requirements concerning the environmentally compatible design of domestic boilers up to 400 kW. With their various operating options and low NOx emissions, the burners of the Riello line are an ideal solution for new generation boilers and heat generators.

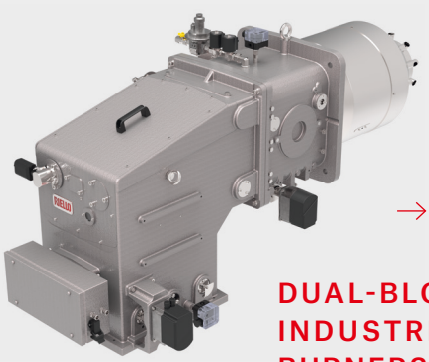
The high-efficiency mono-block burners of the Riello line are the result of intensive technical research and substantial investments over the past years, which made it possible to achieve the highest levels of technological development in the industrial burners sector.
These burners combine the burning reliability and sturdiness typical of Riello burners with the most advanced power control solutions; they are available in various configurations. Advanced combustion technology allows low NOx emissions.

HIGH-EFFICIENCY MONO-BLOCK BURNERS



BURNERS FOR PROCESS APPLICATIONS

Thanks to its many years of experience in combustion for industrial applications, Riello has acquired the know-how needed to satisfy the requirements of industrial thermal processes. Complete control of all devices involved in the combustion process allows Riello to offer solutions for direct and indirect heat exchange, while complying with the increasingly strict environmental legislation. Typical uses and applications include baking ovens, driers, textile machinery, hot air and steam generators, and coating booths.

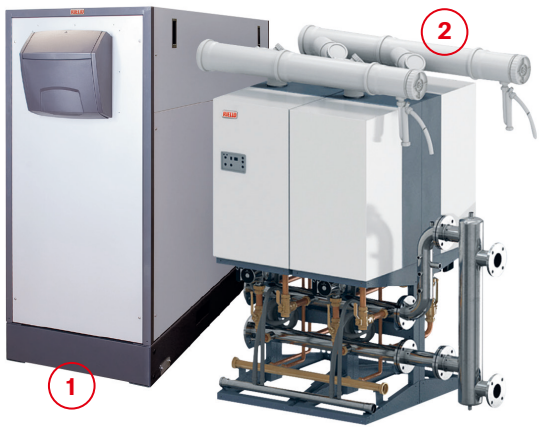


DUAL-BLOCK INDUSTRIAL BURNERS

Riello's industrial burners, specifically designed for applications in large heating systems and industrial processes, make it possible to build a modular and flexible combustion system and to use pre-heated air to achieve significant energy savings.
The Riello dual block burners are the ideal solution for new installations and to modernise existing large power installations, also with multi-burner systems, optimising the plant's performance and achieving efficient and clean burning.

Centralised and technological heat generation: it means with savings and respect of the environment.

The Riello heating system is tidy, clean and quiet: inefficient and often unsafe areas become technologically advanced, high performance "machine rooms".



1 / ALU PRO POWER

Independent aluminium-silicon modular bodies, with low water content

Ideal where space and weight are valuable

8 models from 115 to 600 kW

Efficiency up up to 108.0%

Premix burners with broad turn-down range (up to 40:1 with 8 modules)

Electronic control with temperature logics and cascade management of up to 8 generators (up to 4.8 MW)

2 / CONDEXA PRO3

Stainless steel heat modules

Ideal for difficult to reach and space-limited heating systems

2 models of 90 and 115 kW, in "master" and "slave" configuration

Efficiency up to 108.6%

Premix burner with broad turn-down range (up to 1:5)

Electronic temperature regulation with integrated cascade management (in "master" version)

Accessories kit to build cascade systems of up to 10 boilers (1,150 kW), both in line and "back to back" configuration

3 / TAU PREMIX

Stainless steel heating unit, 3 flue passes, with high water content

Ideal for systems with large flow rate changes

8 models from 150 to 1,000 kW

Efficiency up to 109.6%

Total premix burner, with broad turn-down range of 1:6

Flexible installation thanks to combination with RIELLOtech Clima Top control panel and cascade management of up to 8 units (8 MW)

4 / TAU UNIT

Stainless steel (AISI 316 TI) heating unit, with medium-high water content

Easy installation and handling

6 models from 35 to 210 kW

Efficiency up to 110.0%

Premix modulating burner

Twin return connection (medium and low temperature)

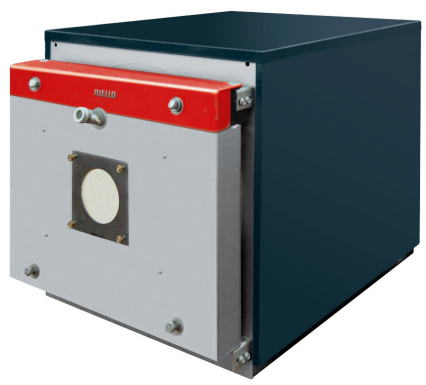
Electronic temperature control expandable with RIELLOtech control panel

Heating system excellence also with light oil.

RTQuadra, RTStretta, and RTStretta Condens fully address the requirements of the designer and installer.

THE GAS SUPER-MACHINES DO NOT OVERSHADOW MEDIUM POWER LIGHT OIL APPLIANCES, NORMALLY ERP READY. RIELLO'S DESIGN SKILLS AND PRODUCTION CAPABILITIES ARE REFLECTED ALSO IN ITS STEEL BOILERS LINE.

Geometry, dimensions, weight, thermal load, and water content combine synergistically to decrease fuel consumption and operating and maintenance costs. When it is not possible or advantageous to use a fuel other than light oil, Riello's carbon steel boilers are the value choice. A value that is not just technological, but is also social, because the entire production chain respects people and the environment.



RTS

The Stretta (Narrow), with three effective flue passes, in which the flame never reverts onto itself and in which the low-emission burners achieve the highest results. Its low width allows easy entry and space savings in the heating system.

RTS CONDENS

The RTS with integrated special steel capacitor to enhance further the already high base performance. Capacitor with its own water recirculation, combined with mixing systems towards the main body. RTS Condens, the top of the line RTS to be paired with the top units.

RTQ

The Quadra (Square) with high flame inversion level and water content. The low pressure drops, on the unit and combustion sides, lead to low thermal and mechanical stress and long life.

ATTENTION TO:
GEOMETRY,
DIMENSIONS,
WEIGHTS,
THERMAL LOAD,
WATER CONTENT

CONSUMPTION,
MAINTENANCE COST,
OPERATING COST

FLEXIBILITY IS THE WATCHWORD IN THE HEATING SYSTEM

Condexa Pro: gas wall-hung modular condensing boilers.

Riello introduces the new generation of high-power gas wall-hung condensing boilers specifically designed to guarantee the highest installation flexibility and high specific power, because space is valuable.

HIGH EFFICIENCY AND HIGH RESIDUAL DISCHARGE HEAD CIRCULATION PUMP ALREADY ON BOARD, UP TO 70 KW

MANIFOLD AND ATTACHMENT FOR PUMP OR TWO-WAY SHUT-OFF VALVE FOR THE MODELS FROM 70 TO 135 KW

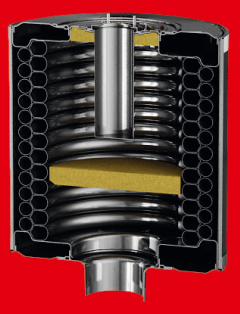
TWIN OR CONCENTRIC SUCTION/DISCHARGE WITH ACCESSORY KIT

OPEN OR SEALED CHAMBER WITH ACCESSORY KIT

THE NEW CONDEXA PRO LINE SPANS THE RANGE FROM 40 TO 135 KW

The electronics make it possible to manage multiple cascades, without restrictions due to distance or mutual position of the generators. All machine controls can be set in "master" or "slave" and manage the control in temperature logic.

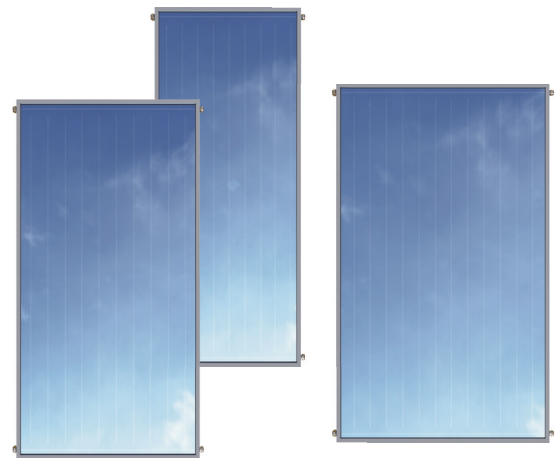
The heart of these products is the twin end heat exchanger with smooth stainless steel tubes, with a Riello-patented cross-section, equipped with a premix burner having a broad turn-down range (up to 1:5). Its compact size and installation flexibility make Condexa Pro the ideal product to upgrade old heating systems.



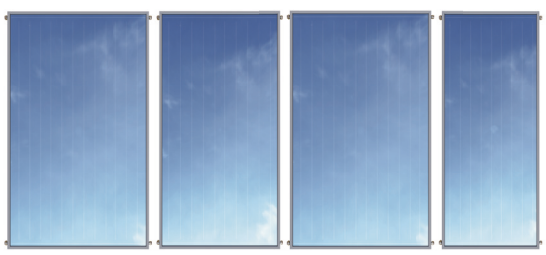
HEAT EXCHANGER

PSIC, THE NEW PRODUCT OFFERED BY RIELLO

The new solar panels with constant centre-to-centre distance.



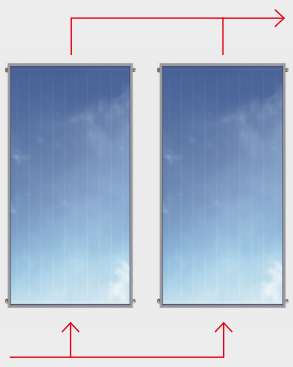
Much progress has been made since the first aluminium roll-bond panels, and important performance targets have been reached. Today, Riello offers an innovation in the aspect ratio of the panels, that is in the relative dimensions of the long and short sides.

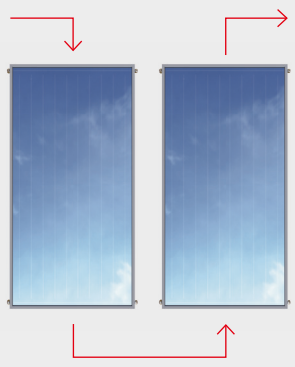


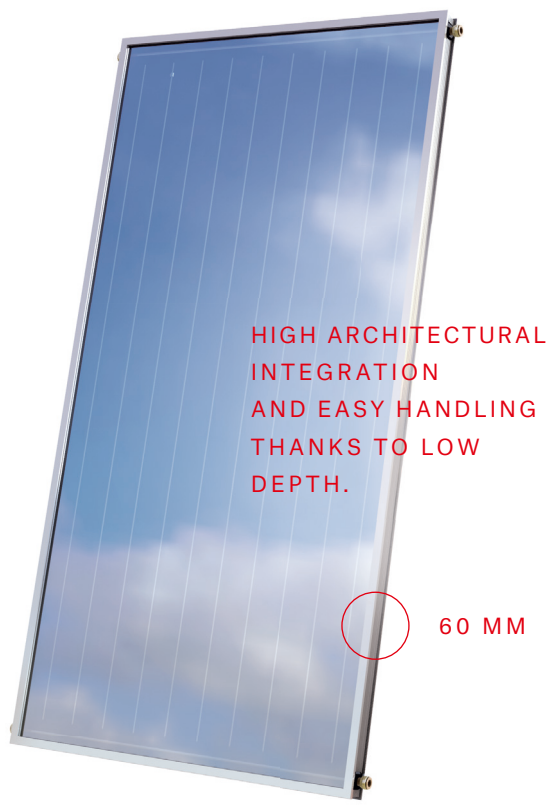
The new harp solar panels with 4 attachments and constant centre-to-centre distance (PSIC) can be connected to each other even if they differ in surface area. The new solution patented by Riello makes it possible to build "custom size" absorbing surfaces, either horizontal or vertical.

The line consists of three models, having surface areas of 1.8, 2.2, and 2.6 sqm; these can be used to build exposed surfaces not restricted to multiples of the base panel. Any combination in sequence up to a maximum of 15 linear metres, for both horizontal and vertical installations, thus limiting pressure drops.

Maximum flexibility also from the hydraulic point of view thanks to the 4-attachment harp structure, which makes it possible to change the flow direction from completely in parallel to partially in series.







Low depth and top performance thanks to the new high efficiency thermal insulation with reflecting screen and to the absorber with TINOx Energy AL treatment. Optical efficiencies greater than 80%.

INTRODUCING THE NEW LINE OF RBS SOLAR STORAGE CYLINDERS

Solar energy is always available with Riello.

The RBS retains the essential criteria of all Riello boilers: high DHW production and maximum thermal energy conservation.

RIELLO UPDATES AND UPGRADES A MATURE TECHNOLOGY, OFFERING STORAGE IN PRODUCTS OPTIMISED TO BEST MEET DOMESTIC HOT WATER REQUIREMENTS. ESPECIALLY IN THE CASE OF A SOLAR SYSTEM, WHERE IT IS CRUCIAL TO EXPLOIT THE FREE ENERGY TO THE UTMOST AND TO STORE IT UNTIL IT IS NEEDED.

The new RBS two-coil solar storage cylinders once again offer the Riello solar power storage solution, using:

a variable-flow pump to decrease the on/off cycles and optimise the use of the energy supplied by the panels;

pre-assembled and pre-wired electronic control and hydraulic unit;

range from 200 to 1,000 litres;

PWM circulator with constant Δt logic;

elegant cover to update accessories and connections.

INNOVATIVE CASCADE SOLUTION

High modularity thanks to the parallel operation kit, which makes it possible to obtain large storage volumes with insulated mono-block boilers (no shells to disassemble) with minimum problems going through doors and rationalisation of the space in the heat plant.

- HEAT EXCHANGER DESIGNED FOR HIGH TURBULENCE
- INSULATION MADE OF THICK EXPANDED POLYURETHANE FOAM
- ENAMELLING TREATMENT FOR THE GREATEST HYGIENE

RBS

THE RBS BOILERS ARE AVAILABLE IN THE “READY” VERSION, COMPLETE WITH ACCESSORIES AND IDEAL FOR NEW INSTALLATIONS, AND IN A VERSION WITHOUT ACCESSORIES IN CASE OF REPLACEMENTS.

RIELLO TRAINING

Riello, always at your service.

The new training centre in Angiari is a tangible example of the importance of training for Riello. The new, recently opened facility, consists of classrooms and fully-equipped laboratories; it was designed to provide theoretical and practical training using the latest learning systems.

Training is one of Riello's strengths. It has always been an integral part of its business and a distinctive component recognised by the market for its continuity and consistency. In fact, Riello focuses on an ongoing training process to transfer its know-how both to its collaborators and to market operators. This activity is characterised by technical update meetings and by specific training courses intended to foster the professional growth of Riello's interlocutors. Professionalism, competence and reliability are made available on a daily basis to the supply chain to promote comprehensive knowledge of latest generation products and systems. For Riello, training also means being aware of legislative developments and being able to interpret their evolution in advance.

The Riello pre-sales and training facility is ready to provide ongoing support and the best updating courses to its Customers. These tools are now essential to face a market that is undergoing great changes.

HEATING TECHNICIAN TRAINING

AUTHORISED TECHNICAL SERVICE TRAINING

REMOTE TRAINING

IN HOUSE TRAINING

ADVANTAGES OF THE RIELLO NETWORK

Maintenance plans and Relax 5 Formula.

You always choose the best when you go with Riello, also in the services.

The maintenance and support plans at the Riello Authorised Service Centres are the ideal solution for those who appreciate savings and want to keep their boiler always in perfect operating condition. Choose the maintenance plan that suits you. Riello conceived three plans: EASY, ECO, EXPRESS. Subscribing to one of these plans, besides guaranteeing a service up to your expectations, also gives you the option of activating the Relax 5 Formula at a modest additional cost. Subscribing to the Relax 5 Formula will guarantee important benefits up to the 5th year following the commissioning of the product: among them are labour and original spare parts supplied at no cost. For information, contact your Authorised Technical Service Centre at the time of commissioning.

THE ADVANTAGE OF A NETWORK OF PROFESSIONALS

Authorised Agencies and Technical Services.

Only Riello offers you competence and professionalism everywhere.

A capillary network of over 230 Riello sales agencies is found throughout Italy: they are the best partners to contact for any comfort requirement. Their large number and professionalism make all agencies a reliable reference point where you can find the competence, sense of responsibility, and trust that have always characterised the Riello organisation. The Riello sales organisation is complemented by more than 600 Authorized Technical Services which ensure maintenance and technical support on Riello products throughout Italy. Over 3,000 technicians combine, in their activity, professional efficiency and fast intervention with additional services conceived to provide always the greatest peace of mind to customers who choose Riello. Professionalism, competence, and proximity to the customer have always been distinctive elements of the Riello Assistance Network: the best guarantee of quality service, year after year.

RIELLO, AN INTERNATIONAL PARTNER.

RIELLO IS A WORLD LEADER IN BURNERS THANKS TO ITS EXPANSION IN INTERNATIONAL MARKETS ACHIEVED THROUGH DIFFERENTIATED AND FLEXIBLE STRATEGIES. TODAY RIELLO IS A COMPLEX INDUSTRIAL GROUP THAT CONSIDERS THE ENTIRE WORLD AS ITS PLAYGROUND. THIS AWARENESS HAS BEEN CONSOLIDATED AND STRENGTHENED OVER TIME, LEADING THE COMPANY TO GRADUALLY EXPAND ITS PRESENCE IN INTERNATIONAL MARKETS. AFTER THE FIRST STEP IN EUROPE AND LATER IN NORTH AMERICA, RIELLO STARTED THE CONQUEST OF THE FAR EAST.

RIELLO INTERNATIONALISATION FOLLOWS TWO SPECIFIC GUIDELINES:

DIRECT PRESENCE THROUGH SUBSIDIARIES;

PRESENCE THROUGH A NETWORK OF IMPORTERS AND PARTNERS.

Direct presence through Subsidiaries is critical in markets considered to be particularly strategic in terms of volumes, required product characteristics and the specific nature of the territory and the economic scenario. There are Riello subsidiaries in the UK, Belgium, Germany, Switzerland, Poland, North America (USA and Canada), Far East (Japan, China) with representative offices in Russia and Singapore. In the remaining countries in the world, Riello is present through a network of importers and partners who deal with the sales of its products in over 60 countries.

RIELLO