

ACQUAFUN² LN P

water heater

INSTANTANEOUS GAS WATER HEATER
CONVENTIONAL FLUE



RIELLO
Energy For Life

www.riello.com

NEW INSTANTANEOUS GAS WATER HEATER CONVENTIONAL FLUE WITH LOW NOx EMISSIONS

Riello presents ACQUAFUN² LN P, the new conventional flue instantaneous water heater, suitable for residential use.

AQUAFUN² LN P is part of Riello's offer of **low NOx emission** products, providing **excellent DHW comfort** in compliance with the most recent European regulations for the reduction of emissions. The product is available in 11 and 14 lt/min sizes, **both in natural gas and LPG, with dedicated codes***.

The **ease of installation and maintenance**, together with the **ease of use** for the end user, are the features that make ACQUAFUN² LN P the ideal product **for the supply of domestic hot water in residential contexts**.

TECHNOLOGY AND ADVANTAGES

- **Production of domestic hot water** of 11 and 14 liters/min with ΔT 25°C.
- **Cooled burner to reduce NOx emissions** generated during high-temperature combustion processes.
- **Safety devices:** flame ignition sensor, safety valve, limit thermostat and flue gas thermostat.
- **Electronic ignition** battery-powered with pilot electrode.
- **Automatic proportional power variation:** the water heater is able to adjust flame modulation, and thus gas consumption, to the required water withdrawals.
- **Pressure regulator** as standard: keeps the power of the water heater stable regardless of any pressure variations that may occur in the gas network.
- **Optimized thermal efficiency** thanks to energy-saving combustion technology.
- **Ignition even at low water pressure**, up to 0,3 bar.
- **Simple aesthetics and easy to integrate into home environments, combined with a compact design that makes installation quick and easy.**

INTUITIVE AND EASY TO USE INTERFACE

AQUAFUN² LN P presents a very user-friendly interface.

Thanks to the knobs for regulating the gas flow, on the left, and the water flow, on the right, you can manage comfort in a simple and immediate way.

At the center of the interface, a small display instantly communicates the hot water temperature or signals any error messages.

The independent control of flame and water simplifies the regulation of the temperature of the latter and allows the user to choose the one best suited to his needs.

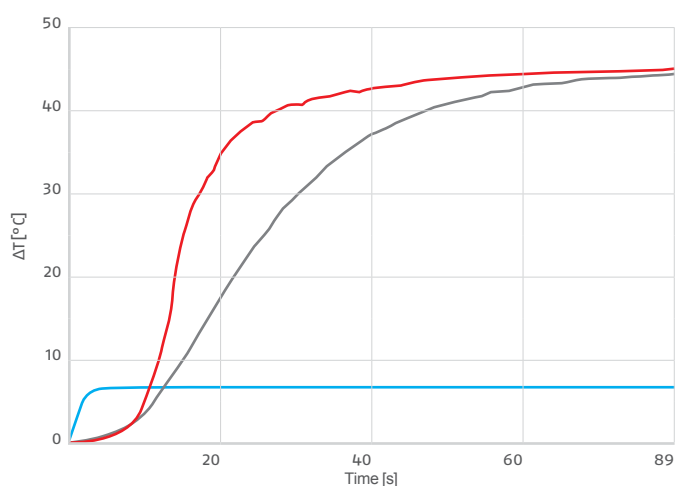


* The 14-litre models will be available from early 2025

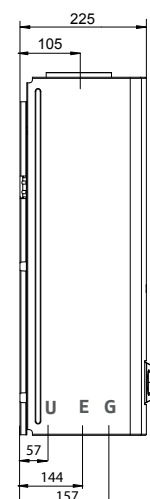
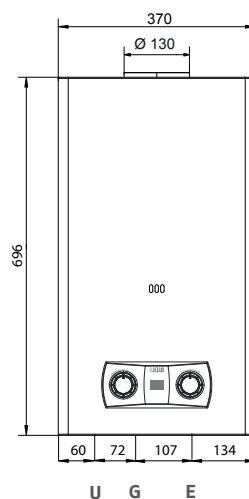
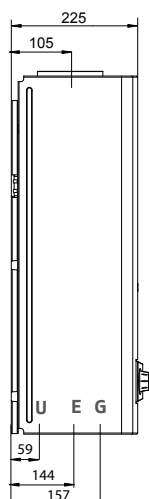
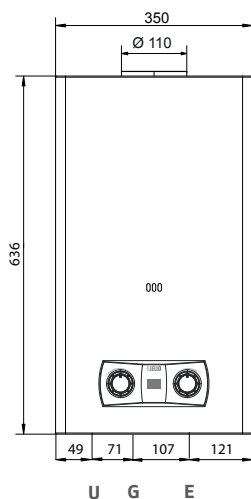
IMMEDIATE AVAILABILITY OF DOMESTIC HOT WATER



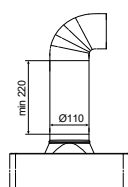
THE NEW ACQUAFUN² LN P RANGE OFFERS THE END USER OPTIMAL DHW COMFORT BY REACHING THE DESIRED HOT WATER TEMPERATURE IN REDUCED TIMES COMPARED TO PREVIOUS MECHANICALLY MANAGED RANGES.



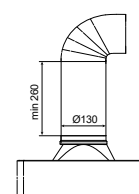
- ACQUAFUN² LN P
- Previous models with mechanical management
- Domestic water flow rate l/min



U = DHW OUTLET E = DCW INLET G = GAS



MINIMUM VERTICAL HEIGHT OF THE FLUE PIPE REQUIRED FOR CORRECT EVACUATION
2 x Ø





TECHNICAL DATA

MODELS AVAILABLE	UoM	AQUAFUN ² LN 11 P	AQUAFUN ² LN 14 P
ENERGY LABEL SPECIFICATIONS ACCORDING TO EUROPEAN DIRECTIVE ErP			
Domestic water seasonal energy efficiency class	F → A+ (*)	A	A
DHW load profile	–	M	XL
Domestic water seasonal energy efficiency class (η _{wh})	%	76,6	84,7
Daily gas consumption (Q _{fuel})	kW/h	8168	23558
Annual fuel consumption (AFC)	kW/h	1666	5000
Internal sound power level (LWA)	dB	56	62
Nitrogen oxide emissions (NO _x)	mg/kWh	30	18
TECHNICAL CHARACTERISTICS			
Type	–	Conventional flue	Conventional flue
Draught	–	Natural draught	Natural draught
Ignition	–	2 batteries 1,5V	2 batteries 1,5V
Flame control	–	By ionization	By ionization
Flame modulation	–	Proportional	Proportional
Hot water production Δt=30°C (G20/G31)	litres/min	8,8/8,4	11,3/11,1
Nominal heat input (G20/G31)	kW	21,5/21,5	27,5/27,0
Nominal heat output (G20/G31)	kW	18,5/18,5	23,7/23,2
WATER			
DHW picking range – Selector at minimum	litres/min	3	3
DHW picking range – Selector at maximum	litres/min	10,4	13,3
DHW temperature rise – Selector at minimum	°C	23,5	35
DHW temperature rise – Selector at maximum	°C	48,8	55,2
Minimum/Normal/Maximum Pressure	bar	0,3/2,0/10	0,3/2,0/10
Water connections	∅	1/2"	1/2"
GAS			
Nominal supply pressure (G20/G31)	mbar	20/37	20/37
Gas connection	∅	1/2"	1/2"
Flues temperature (G20/G31)	°C	144/152	125,5/128,2
EXHAUST FLUE GAS			
Diameter	mm	110	130
DIMENSIONS AND WEIGHT			
Dimensions (H×W×D)	mm	636x350x225	696x370x225
Net weight	kg	12,7	13,3
Available gas versions	–	Natural gas/LPG	Natural gas/LPG

(*) The energy efficiency class range of this products category is from F up to A+.

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