

2R HE ErP High quality heat

Cast iron boilers are set apart by their high-level safety, long life, energy savings and reliable performance.

2R HE ErP is a range of cast iron condensing boilers with three-pass, for heating only, with power from 75.0 to 192.0 kW, with the possibility for combining with oil burners.

Cast iron is an alloy whose properties remain unaltered over time, and which is synonymous with reliability. The elements are configured to ensure optimal combustion, thus reducing the emission of harmful gases into the environment.

The excellent insulation of the combustion chamber reduces losses caused by thermal radiation, while at the same time reducing noise levels.

Fewer and easier cleaning and maintenance

operations thanks to the reversible hinge on the combustion chamber door.

The range is supplied disassembled (cast iron body, shell, control panel and post-condenser kit) to further facilitate transport and installation.

Models feature a combustion system that ensures high efficiency thanks to the recovery of the heat content of the combustion products.

Condensation is obtained by means of a stainless steel post-condenser situated behind the boiler, which recovers most of the dispersions, thus maximising use of the total energy produced by the fuel.

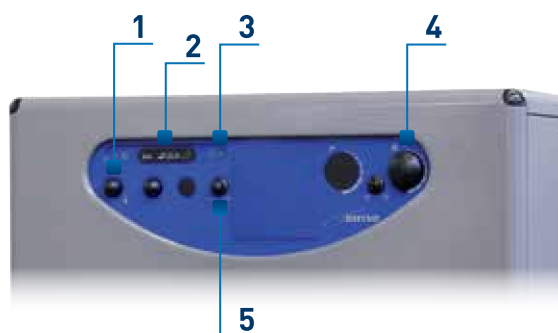


Post-condenser in AISI 316L stainless steel

Easy-to-use control panel

Using a single button, the boiler automatically controls all the different stages of operation: simply turn on the switch and the boiler will automatically start to function according to the request for heating.

The temperature can be regulated from the heating potentiometer knob.



Functions and tools

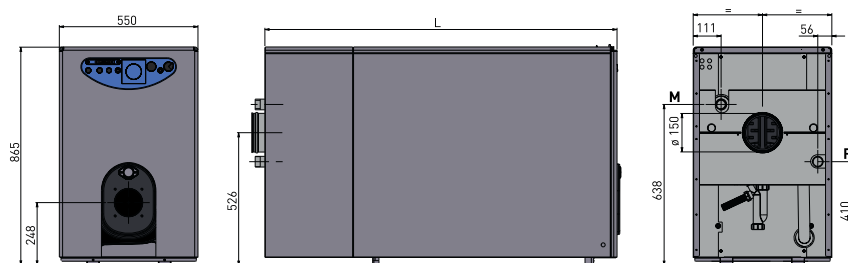
- 1 Safety thermostat
- 2 Thermometer

- 3 Voltage LED
- 4 Boiler thermostat
- 5 Main switch

2R HE ErP

		2R HE							
MODEL		6	7	8	9	10	11	12	13
Heat output (80-60°C)	kW	75	82.0	98.0	114.0	134.0	151.7	172.0	192.0
Heat output (50-30°C)	kW	80.2	86.6	103.5	120.0	142.1	159.7	180.0	202.0
Heat input	kW	78.0	85.0	101.0	117.0	138.0	158.0	179.0	200.0
Useful yield (80-60°C)	%	96.1	96.5	97.0	97.0	97.0	96.0	96.1	96.0
Useful yield (50-30°C)	%	102.8	102.0	102.0	102.5	103.0	101.1	101.0	101.0
Useful thermic output at 30% of load	%	107.5	106.5	106.0	106.0	106.0	103.9	103.8	104.0
Heating regulation range	°C	30/85	30/85	30/85	30/85	30/85	30/85	30/85	30/85
Type		B23P							
Elements	no.	6	7	8	9	10	11	12	13
Boiler water content	l	74.2	84.3	94.9	105.5	116.1	126.7	137.4	147.9
Maximum operating pressure	bar	4	4	4	4	4	4	4	4
Load loss flue side	mbar	0.35	0.45	0.5	0.55	0.65	0.75	0.85	0.90
Combustion chamber pressure	mbar	0.42	0.55	0.65	0.74	0.85	1.10	1.49	1.56
Flue temperature (80-60°C)	°C	92.2	83	87.6	91.5	95.8	95.9	96.0	98.3
Flue temperature (50-30°C)	°C	70.4	67	69.3	71.6	73.9	74.0	74.0	65.0
Flue volume	dm³	90.4	108.2	126	143.8	162.6	183.0	201.0	219.0
NOx Class (EN 15502-1:2015)		6 (< 56 mg/kWh)							
Weight	kg	355	400	445	490	530	570	610	659

Overall dimensions



MODEL		6	7	8	9	10	11	12	13
R C.H. return		1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
M C.H. flow		1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"
S Condensate outlet		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
L mm		1232	1355	1478	1601	1724	1847	1970	2093