

Boiler Catalogue Conventional July 2021

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Standard catalogue June 2021

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Warning

Products in this catalogue with rated powers ≤ 400 kW do not meet the requirements of Regulation EU 813/2013, and therefore cannot be installed for room heating and DHW production throughout the EU, but only for other uses (e.g. integration into industrial processes).

EuroBongas NE range

Atmospheric gas boilers

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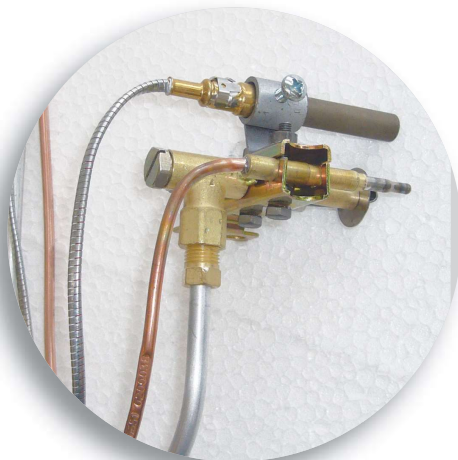
Bongioanni, a leader in cast iron boiler production, offers the EuroBongas NE range of self-powered boilers.

The only difference between self-powered boilers and the corresponding normal models is in the power supply, as they have gas valves that operate without the need for electric power.

They are dual-body gas valves fitted with a thermocouple and relative shut-off controlled by a safety thermostat, which is not in series with the regulating thermostat.

They are equipped with a low voltage actuator and a pilot generator, and can be supplied with a double gas valve (double self-supply) equipped with a thermopile mounted on the pilot on request.

The build characteristics such as overall dimensions and sizes of the gas and water fittings remain unchanged.



The EuroBongas NE self-powered boiler range is the flagship of the Bongioanni production, and also solves the most complex installation requirements. Power is supplied by a thermopile mounted on the pilot, which provides a continuous voltage of 500 mV.



With the pilot on, the thermopile can provide a continuous voltage of approximately 500 mV. The boiler thermostat opens/closes the gas valve actuator, which is powered by this voltage. Since there is no 230 V power, the pilot has piezoelectric ignition, and valve safety is of the pilot/thermocouple type with thermocouple shut-off. This protection is provided by a safety thermostat with gold-plated contacts designed for voltages below 100 mV.

Safety

The average response time of a thermocouple is in the order of 20 sec. (less than 30 sec. in any case). Since Italian Ministry of the Interior Circular No. 68 of 25/11/69 (Art. 5.2) requires response times of less than 10 sec for burners exceeding 115 kW, self-powered boilers cannot exceed powers of 115 kW if they have a single burner, or 230 kW if they have two burners.

Additional thermopile

On request, all EuroBongas NE self-powered boilers can be

supplied with the additional thermopile kit to provide a 250 mV signal when the pilot is on. The kit consists of an additional thermopile and its mounting bracket.



Additional price

Description	Part no.	Price list (Euro)
Additional thermopile kit*	008660900	135.00

* One for each burner

EuroBongas 1 NE

Cast iron floor standing boilers with multigas burner

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- CE approved
- High reliability

- Effective thermal power from 29.7 to 102.6 kW
- Boiler body composed of 5 to 10 elements
- EN GJL-200 cast iron
- High efficiency, $\eta > 90\%$
- CE approved.

Main features

- Piezoelectric ignition
- Exhaust gas control in accordance with the law.

Double feeding

The EuroBongas 1 NE Dual Supply range differs from the normal version in that it has two:

- Gas valves
- Pilot burners
- Thermocouples and thermopiles
- Thermostatic circuits.

In practice, the two gas valves operate on the same burner with separate electric circuits in order to ensure the highest possible operating safety.



Caution!

Installation of these boilers is not permitted for room heating or domestic hot water.

Technical drawings of EuroBongas units showing front, side, and detail views with dimensions and connection points.

Front View Dimensions:

- Top section height: 700
- Base section height: 1020
- Base width: 450
- Top diameter: \varnothing

Side View Dimensions:

- Top section height: 700
- Base section height: 1020
- Base width: 450
- Top diameter: \varnothing
- Top section width: L1
- Base section width: P
- Base section height: 750
- Base section width: 355
- Base section height: 65
- Base section width: 65

Detail View Dimensions:

- Top section height: 700
- Base section height: 1020
- Base width: 450
- Top diameter: \varnothing
- Top section width: L1
- Base section width: P
- Base section height: 750
- Base section width: 355
- Base section height: 65
- Base section width: 65

Key:

- M - System supply (R 2")
- R - System return (R 2")
- G - Gas (R 3/4")

Variable dimensions	
Model	L1 (mm)
EuroBongas 1/3 NE	160
EuroBongas 1/4 NE	210
EuroBongas 1/5 NE	255
EuroBongas 1/6 NE	305
EuroBongas 1/7 NE	350
EuroBongas 1/8 NE	400
EuroBongas 1/9 NE	450
EuroBongas 1/10 NE	495

Model	Part no.	Nominal heat input kW	Nominal heat output kW	Effective efficiency at		Dimensions (mm)			Ø flue gas outlet (mm)	Weight kg	Price list (Euro)
				30%	100 %	L	H	D			
EuroBongas 1/3 NE	001614103	34.1	29.7	84.60	87.90	450	1720	465	150	120	3770.00
EuroBongas 1/4 NE	001614104	46.4	41.0	85.70	89.90	450	1720	560	150	155	4095.00
EuroBongas 1/5 NE	001614105	59.7	53.1	85.70	89.40	450	1720	655	175	190	4295.00
EuroBongas 1/6 NE	001614106	74.3	66.1	85.70	89.40	450	1720	755	175	225	4870.00
EuroBongas 1/7 NE	001614107	79.5	71.6	86.40	90.00	450	1720	850	200	260	5410.00
EuroBongas 1/8 NE	001614108	89.0	80.1	86.40	90.00	450	1720	945	200	295	5880.00
EuroBongas 1/9 NE	001614109	102.3	92.1	86.40	90.00	450	1720	1040	225	330	6490.00
EuroBongas 1/10 NE	001614110	114.0	102.6	86.40	90.00	450	1720	1135	225	365	7110.00

Model	Part no.	Nominal heat input kW	Nominal heat output kW	Effective efficiency at		Dimensions (mm)			Ø flue gas outlet (mm)	Weight kg	Price list (Euro)
				30%	100 %	L	H	D			
EuroBongas 1/3 NE D.S.	001614203	34.1	29.7	84.60	87.90	450	1720	465	150	120	5890.00
EuroBongas 1/4 NE D.S.	001614204	46.4	41.0	85.70	89.90	450	1720	560	150	155	6250.00
EuroBongas 1/5 NE D.S.	001614205	59.7	53.1	85.70	89.40	450	1720	655	175	190	6610.00
EuroBongas 1/6 NE D.S.	001614206	74.3	66.1	85.70	89.40	450	1720	755	175	225	6970.00
EuroBongas 1/7 NE D.S.	001614207	79.5	71.6	86.40	90.00	450	1720	850	200	260	7330.00
EuroBongas 1/8 NE D.S.	001614208	89.0	80.1	86.40	90.00	450	1720	945	200	295	7960.00
EuroBongas 1/9 NE D.S.	001614209	102.3	92.1	86.40	90.00	450	1720	1040	225	330	8240.00
EuroBongas 1/10 NE D.S.	001614210	114.0	102.6	86.40	90.00	450	1720	1135	225	365	8620.00

EuroBongas 2 NE

Cast iron floor standing boilers with multigas burner

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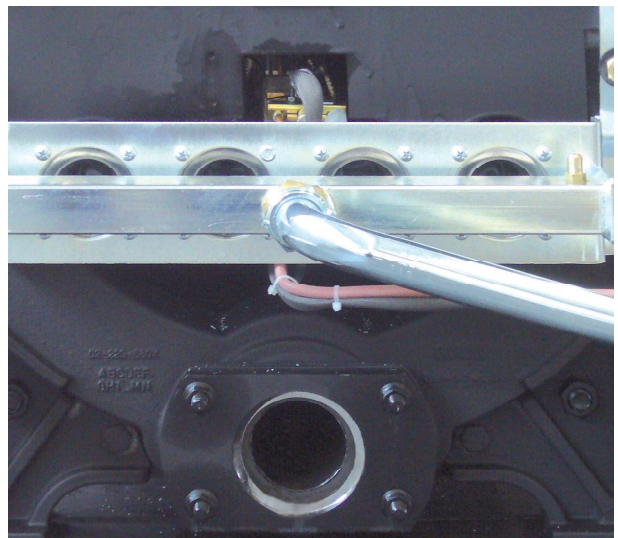


- CE approved

- Modular boilers
- Effective thermal power from 104.5 to 203.6 kW
- Single boiler body composed of 6 to 12 elements
- EN GJL-200 cast iron
- CE approved.

Main features

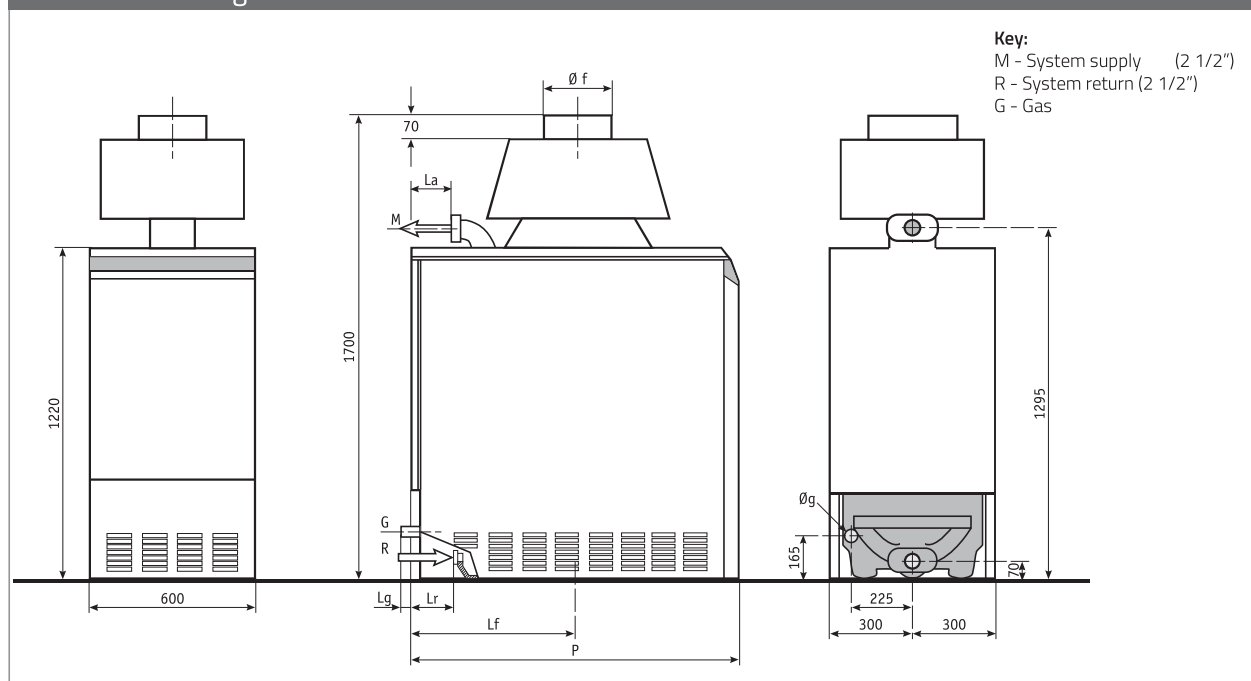
- Piezoelectric ignition
- Equipped with exhaust gas control device in accordance with the law
- Equipped with two pilot burners and two main burners.



Caution!

Installation of these boilers is not permitted for room heating or domestic hot water.

Technical drawing and dimensions



Variable dimensions

Model	Ø f (mm)	Ø g (mm)	La (mm)	Lf (mm)	Lg (mm)	P (mm)	Lr (mm)
EuroBongas 2/6 NE	250	R 1 " 1/4	60	410	45	950	110
EuroBongas 2/7 NE	250	R 1 " 1/4	160	560	45	1150	210
EuroBongas 2/8 NE	250	R 1 " 1/4	60	510	45	1150	110
EuroBongas 2/9 NE	300	R 1 " 1/4	260	760	75	1450	310
EuroBongas 2/10 NE	300	R 1 " 1/4	160	710	75	1450	210
EuroBongas 2/11 NE	300	R 1 " 1/4	260	860	75	1650	310
EuroBongas 2/12 NE	300	R 1 " 1/4	160	810	75	1650	210

Boiler technical data

Model	Part. no	Nominal heat input kW	Nominal heat output kW	Effective efficiency at		Dimensions (mm)			Ø flue gas outlet (mm)	Weight kg	Price list (Euro)
				30%	100 %	L	H	D			
EuroBongas 2/6 NE	001214006	115.9	104.5	86.9	90.4	600	1700	950	250	570	9750.00
EuroBongas 2/7 NE	001214007	136.0	122.8	86.9	90.4	600	1700	1150	250	640	10530.00
EuroBongas 2/8 NE	001214008	152.5	137.9	86.9	90.4	600	1700	1150	300	710	11410.00
EuroBongas 2/9 NE	001214009	169.0	152.8	86.9	90.4	600	1700	1450	300	810	12110.00
EuroBongas 2/10 NE	001214010	187.8	169.7	87.9	90.2	600	1700	1450	300	880	12690.00
EuroBongas 2/11 NE	001214011	206.5	186.7	87.9	90.2	600	1700	1650	300	950	13980.00
EuroBongas 2/12 NE	001214012	225.3	203.6	87.9	90.2	600	1700	1650	300	1030	14125.00

EuroBongas 2 duplex NE

Cast iron floor standing boilers in battery with multigas burner

GHISA PROFESSIONAL



- CE approved
- Modules of 2 coupled boilers

- Modular boilers
- Effective thermal power from 209.6 to 407.2 kW
- Single boiler body composed of 6 to 12 elements
- EN GJL-200 cast iron
- CE approved.

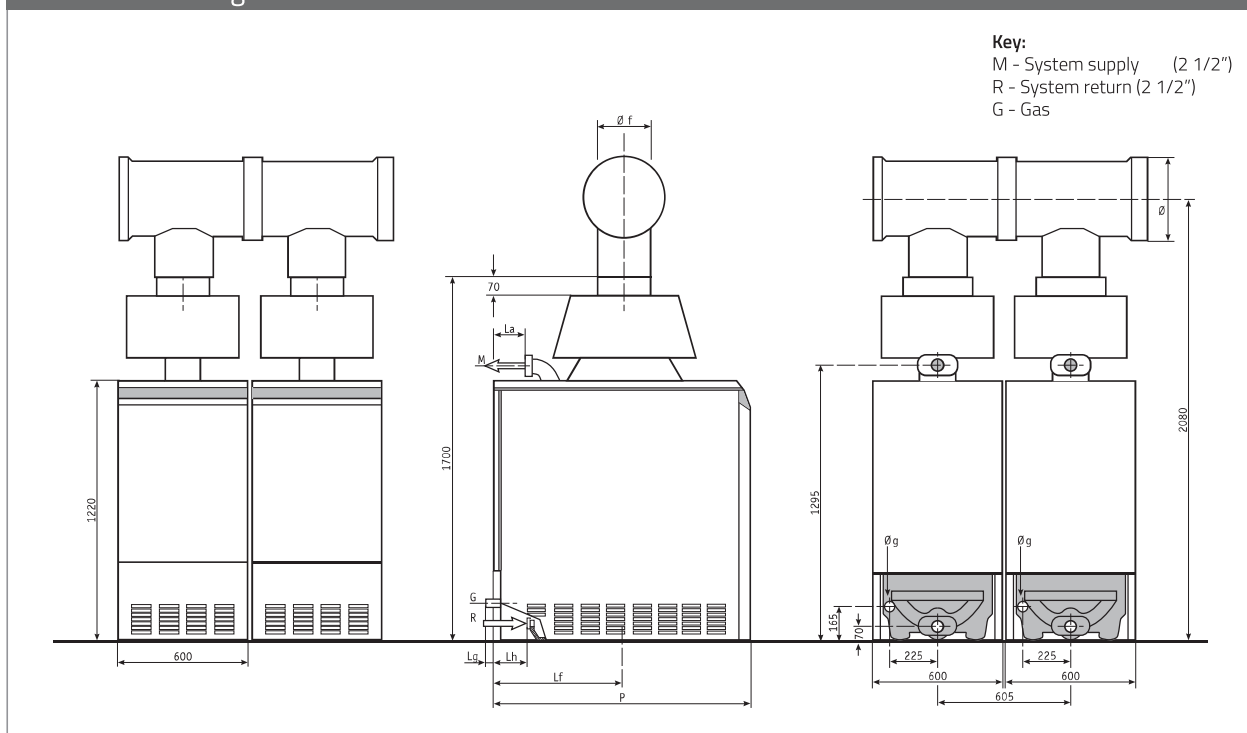
Main features

- Stainless steel flue gas manifold
- Piezoelectric ignition.

Caution!

Installation of these boilers is not permitted for room heating or domestic hot water.

Technical drawing and dimensions



Variable dimensions

Model	Ø f (mm)	Ø g (mm)	La (mm)	Lf (mm)	Lg (mm)	P (mm)	Lr (mm)	Ø
EuroBongas 2/6 Duplex NE	250	R 1 " 1/4	60	410	45	950	110	350
EuroBongas 2/7 Duplex NE	250	R 1 " 1/4	160	560	45	1150	210	350
EuroBongas 2/8 Duplex NE	250	R 1 " 1/4	60	510	45	1150	110	350
EuroBongas 2/9 Duplex NE	300	R 1 " 1/4	260	760	75	1450	310	400
EuroBongas 2/10 Duplex NE	300	R 1 " 1/4	160	710	75	1450	210	400
EuroBongas 2/11 Duplex NE	300	R 1 " 1/4	260	860	75	1650	310	400
EuroBongas 2/12 Duplex NE	300	R 1 " 1/4	160	810	75	1650	210	400

Boiler technical data

Model	Part no.	Nominal heat input kW	Nominal heat output kW	Effective efficiency at		Dimensions (mm)			Ø flue gas outlet (mm)	Weight kg	Price list (Euro)
				30%	100 %	L	H	D			
EuroBongas 2/6 Duplex NE	001214106	231.8	209.0	86.9	90.4	1250	2080	950	350	1140	22400.00
EuroBongas 2/7 Duplex NE	001214107	272.0	245.6	86.9	90.4	1250	2080	1150	350	1280	23845.00
EuroBongas 2/8 Duplex NE	001214108	305.0	275.8	86.9	90.4	1250	2080	1150	350	1420	26665.00
EuroBongas 2/9 Duplex NE	001214109	338.0	305.6	86.9	90.4	1250	2080	1450	400	1620	27400.00
EuroBongas 2/10 Duplex NE	001214110	375.6	339.4	87.9	90.2	1250	2080	1450	400	1760	28560.00
EuroBongas 2/11 Duplex NE	001214111	413.0	373.4	87.9	90.2	1250	2080	1650	400	1900	31425.00
EuroBongas 2/12 Duplex NE	001214112	450.6	407.2	87.9	90.2	1250	2080	1650	400	2060	32745.00