CAST TO LAST

IRON CAST HIGH EFFICENCY BOILERS

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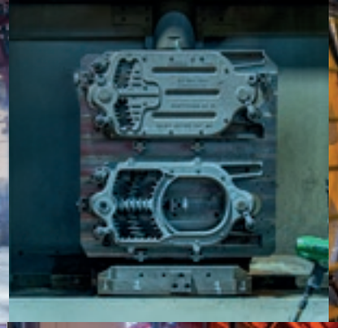
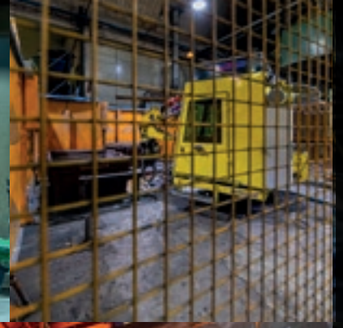
WELCOME TO CFD





WHO WE ARE

The Dante Cooperative Foundry is a cooperative established on 25 July 2017 by 62 founding partners.The Cooperative has the target of designing and manufacturing floor-standing boilers, brake discs for cars and components for third parties in top segment. In this context, the 7 September signed two important agreements for the supply of boilers respectively a cast iron crankcase for three years with an Italian multinational and destined brake discs to the after market of car manufacturers European leaders in the sector. Important investments are underway to make the production process and its digitization more efficient allowing to adapt to the most important international certifications and to satisfy the customer needs both in term in quality and competitiveness.

OUR HISTORY

The Dante Foundry Cooperative was recently born thanks to a Workers buyout by existing Ferroli Foundry by employees following the will of the new one Ferroli owner of dismantles. The Foundry was founded in 1961 through the acquisition of a Stern molding plant, regenerated by Savelli and boasts a long and glorious history as part of the production of cast iron basement boilers sold all over the world. The foundry constituted the first important investment of Cavalier Dante Ferroli, followed by the opening of factories throughout Europe and the introduction of innovative technologies, thus becoming over the years a benchmark for the whole sector and for the competition multinationals.

VISION

Approaching corporate life with attitude and passion so that our products can be preferred thanks to the Love and the Well Done manner valuable products were generated.

MISSION

Engage in the innovation of production processes, development of new safe products, low energy consumption while respecting the environment through the conscious mutual responsibility of all members engaged in generating new job.

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DANTE
THE FIRST CLASS A+ CAST IRON BOILER

DANTE condensing boilers are revolutionary cast iron floor-standing GAS boilers that work thanks to the condensation of steam from gases' in the flue: the heat from the condensation is called "latent heat".

DANTE boilers are very noiseless and their efficiency can reach up to 105% . Thanks to their compact size, they can be installed quickly and easily.

DANTE boilers are available in 3 versions:

Dante H_2O heating-only

Dante H_2O ST heating and domestic hot water (DHW) with the comfort of storage

Dante H_2O I heating and instant domestic hot water (DHW)

The energy efficiency of this product falls within Class A+ due to the modulation range with which it is equipped.

A+

EFFICIENCY CAN REACH UP TO 105%

Anti-corrosion treatment

OxyBlock
ELASTIC NANOTECH PROTECTION

WARRANTY 10 YEARS ON CAST IRON EXCHANGERS

NEW FRONTIER FOR CONDENSATION

Before being removed through the chimney, the very hot fumes produced by combustion pass through the cast iron body in which the return water from the heating circuit circulates. The water vapor contained in the fumes condenses on the cast iron fins, which recovers the latent heat.

This, then, heats the water from the heating circuit and increases the heat of combustion.

Patented system of fumes ricirculation

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A+

EFFICIENCY CAN
REACH UP TO 105%

VERY HIGH EFFICIENCY

The DANTE condensing boiler needs less time to reach the desired set point because the return water is heated by a high heat capacity cast iron body before being sent back to the central heating system.

The water resulting from condensation is removed thanks to a flexible PVC pipe (supplied with the boiler). This system brings undeniable advantages to condensing boilers over traditional ones.

The DANTE, therefore, consumes less energy and accordingly respects the environment by producing less polluting gases into the atmosphere.

ECOLOGICAL

The DANTE boiler is equipped with efficient combustion systems that grant the reduction of fuel consumption and assure polluting emissions control.

LIGHT AND COMPACT

DANTE in its heating only version is little larger than a classic wall-mounted boiler with a total weight less than 100 kg.

THERMAL NON PLUS ULTRA

Cast iron is an alloy that maintains its characteristics unchanged over time and stands for reliability. For the DANTE boiler, we developed a cast iron heat exchanger with a geometry designed by ALGORITHM CFD; a sophisticated research allowed us to obtain maximum heat exchange and minimum pressure drops by optimizing the shape, the passages and the surface of the body.

Cast iron also has a high thermal inertia that allows energy savings that is greater than other materials' heat exchangers.

INTEGRATED WI-FI SYSTEM SHD

INTEGRATED WI-FI SYSTEM SHD (Smart Heating Dante) is a new control and regulation software, born from the experience developed in hybrid systems: it controls the system by monitoring the proper functioning of all hydraulic and electrical components.

The boiler is managed by microprocessors with an implemented software that, in addition to controlling and conducting all the operating modes of the boiler, keeps monitored the entire system of air conditioning and sanitary production.

The logic of SHD is to maximize the operation of the heat pump to achieve environmental and sanitary comfort. It is an integrated system capable of autonomously handling the terminals of a radiant system and domestic hot water. The staus of all the functions of SHD can be visualized in the panel with color display that also indicates the operating modes set and any anomalies of the system.

The like is achieved through the specific APP.

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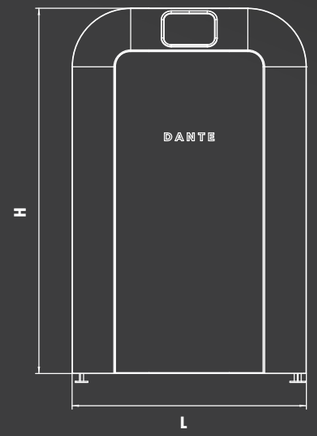
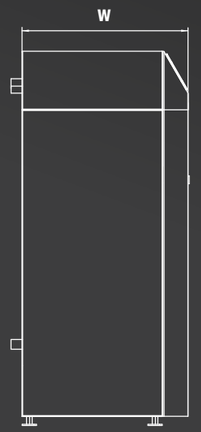
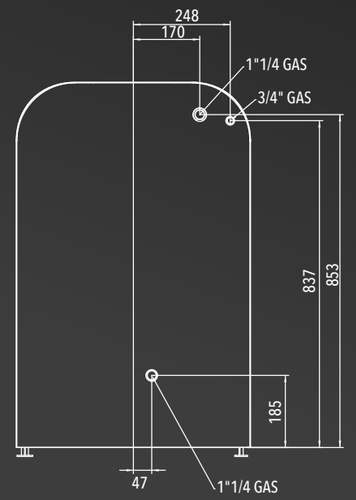
DANTE H_2O

- Direct condensation
-Cast iron bodies subjected to heat treatment that allows not to be corroded from condensation water
-Ready for connection to a heat pump for the realization of a system hybrid
- Connectable to an external boiler
- Predisposed and connectable to solar systems for DHW production
- Designed and built for a minimum pressure of 1 mbar
- Anti-legionella function managed by electronics
- No Frost function
- Wi-Fi connectivity
- Thermoregulation system that allows you to adjust and monitor the management through the practical LCD display
- Ready for smart speaker connection (google-alexa etc ..)
- 10 year guarantee
- Oxiblock function
- Available in 4 sizes







DANTE H_2O	u.m.	10 KW	25 KW	35 KW	60 KW
Type of boiler		CONDENSATION			
Performance class		A+			
Evacuation		B23P, C13, C33, C43, C53, C63, C83			
Type of evacuation		FLUE			
Type of gas		G20-G25-GLP			
Smoke outlet diameter	cm	80	80	80	80
Number of elements		2	2	3	4
Minimum power	kW	2,2	2,2	6,5	10,5
Nominal power	kW	10	25	35	60
Thermal power	kW	10,4	26,4	36,4	62,1
Mass flow of fumes	kg/h	24	30	34	42
Volume of gas fumes	dm3	160	160	210	350
CO2 rate	%	9,2	9,1	9,2	9
Smoke temperature	°C	63,8	66,5	69	68,5
Gas inlet diameter	"G	3/4"	3/4"	3/4"	3/4"
Chimney volume	L	8,5	8,5	11,12	14
Burner diameter	mm	70	70	70	70
Smoke side resistance	mbar	0,4	0,4	0,6	0,96
Load efficiency of 100% and 70 ° C (PCS)	%	97,1	97,3	96,7	96,5
Load efficiency 30% and 50 ° C (PCI)	%	104,2	105,6	103,9	103,5
Electric consumption	A	0,53	0,6	0,7	0,75
Losses from stand still ΔT 30 °	W	95	102	108	121
Nominal water flow with Pn ΔT 15 °	m^3/h	0,791	0,87	1,146	1,39
CO2 measured	%	9	9	9,2	9,3
CO measured	mg/kWh	21,17	21,52	21,17	21,87
Water capacity	L	32	32	48	64
Maximum operating pressure	bar	4	4	4	4
Maximum flow temperature	°C	87,5	87,5	87,5	87,5
Water side pressure drop ΔT 15 °	mbar	25	25	48	74
Adjustment range of the thermostats	°C	30 - 87,5	30 - 87,5	30 - 87,5	30 - 87,5
Overheating safety temperature	°C	97	97	97	97
Boiler dimensions	mm	420x592x930	420x592x930	530x592x930	530x592x930
Nox class		5	5	5	5
Boiler outlet	"G	1"	1"	1"	1"
Boiler return	"G	1"	1"	1"	1"
Emptying	"G	3/4"	3/4"	3/4"	3/4"
Net weight	kg	105	105	135	185

* External pump connection on request. * Separate boiler. * External-internal environmental probe predisposition

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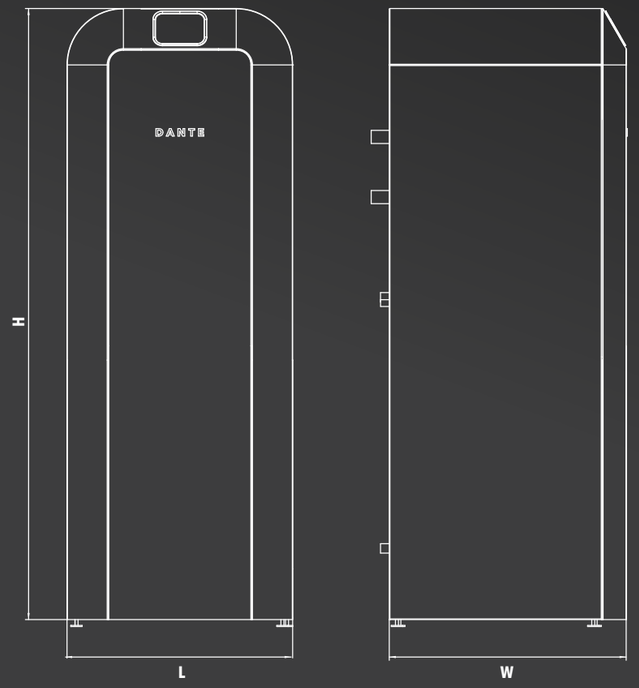
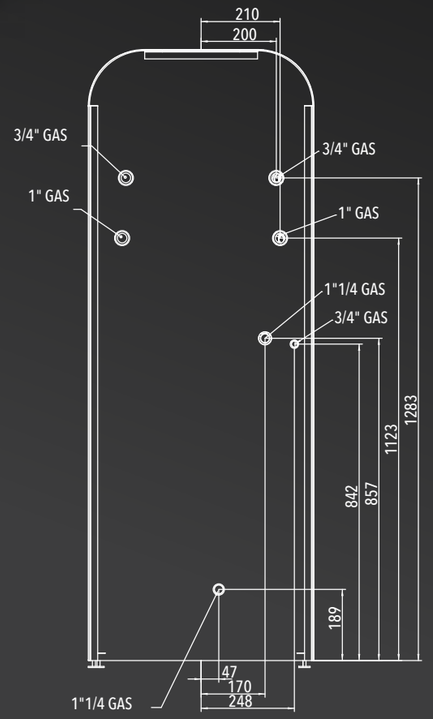
DANTE ST

- Direct condensation
- Cast iron bodies subjected to heat treatment that allows it not to be corroded by condensation water
- Ready for connection to a heat pump for the creation of a hybrid system
- Predisposed and connectable to solar systems for DHW production
- Designed and built for a minimum pressure of 1 mbar
- Anti-legionella function managed by electronics
- No Frost function
- Wi-Fi connectivity
- Thermoregulation system that allows you to adjust and monitor the management through the practical LCD display
- Ready for smart speaker connection (google-alexa etc ..)
- 10 year guarantee
- Oxiblock function
- Available in 4 sizes





DANTE H_2O ST	u.m.	10 KW	25 KW	35 KW	60 KW
Type of boiler		CONDENSATION			
CE 92/42 efficiency class		****	****	****	****
Certification CE		IMQ			
Performance class		A+			
Evacuation		B23P, C13, C33, C43, C53, C63, C83			
Type of evacuation		FLUE			
Type of gas		G20-G25-GLP			
Smoke outlet diameter	cm	80	80	80	80
Number of elements	n	2	2	3	4
Minimum power	kW	2,2	2,2	6,5	10,5
Nominal power	kW	10	25	35	60
Thermal power	kW	10,4	26,4	36,4	62,1
Mass flow of fumes	kg/h	24	30	34	42
Volume of gas fumes	dm3	160	160	210	350
CO2 rate	%	9,2	9,1	9,2	9
Smoke temperature	°C	63,8	66,5	69	68,5
Gas inlet diameter	"G	3/4"	3/4"	3/4"	3/4"
Chimney volume	L	8,5	8,5	11,12	14
Burner diameter	mm	70	70	70	70
Smoke side resistance	mbar	0,4	0,4	0,6	0,96
Load efficiency 100% and 70 ° C (PCS)	%	97,1	97,3	96,7	96,5
Load efficiency 30% and 50 ° C (PCI)	%	104,2	105,6	103,9	103,5
Electric consumption	A	0,53	0,6	0,7	0,75
Losses from standstill ΔT 30 °	W	95	102	108	121
Nominal water flow with Pn ΔT 15 °	m^3/h	0,791	0,87	1,146	1,39
CO2 measured	%	9	9	9,2	9,3
CO measured	mg/kWh	21,17	21,52	21,17	21,87
Water capacity	L	32	32	48	64
Boiler capacity	L	105	105	105	105
Maximum operating pressure	bar	4	4	4	4
Maximum flow temperature	°C	87,5	87,5	87,5	87,5
Water side pressure drop ΔT 15 °	mbar	25	25	48	74
Adjustment range of the thermostats	°C	30 - 87,5	30 - 87,5	30 - 87,5	30 - 87,5
Overheating safety temperature	°C	97	97	97	97
Boiler dimensions	mm	530x592x1045	530x592x1045	830x592x1045	830x592x1045
Nox class		5	5	5	5
Boiler outlet	"G	1"	1"	1"	1"
Boiler return	"G	1"	1"	1"	1"
Emptying	"G	3/4"	3/4"	3/4"	3/4"
Net weight	kg	105	105	135	185

* External pump connection available on request. * External-internal environmental probe predisposition

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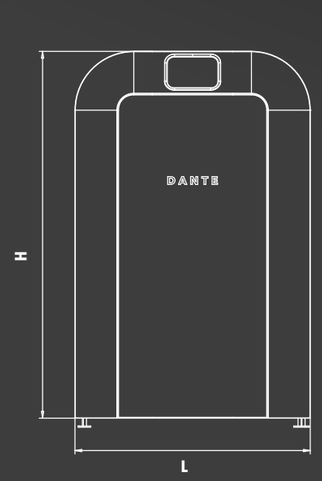
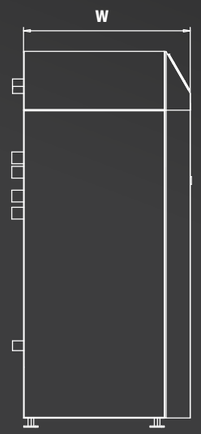
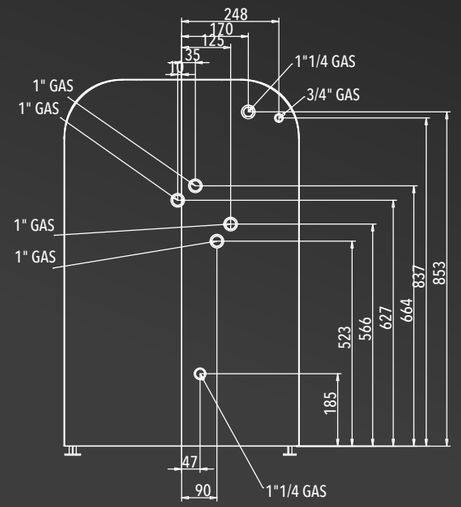
DANTE H_20 I

- Direct condensation
- Cast iron bodies subjected to heat treatment that allows it not to be corroded by condensation water
- Ready for connection to a heat pump for the creation of a hybrid system
- Predisposed and connectable to solar systems for DHW production
- Designed and built for a minimum pressure of 1 mbar
- Anti-legionella function managed by electronics
- No Frost function
- Wi-Fi connectivity
- Thermoregulation system that allows you to adjust and monitor the management through the practical LCD display
- Ready for smart speaker connection (google-alexa etc ..)
- 10 year guarantee
- Oxiblock function
- Available in 4 sizes







DANTE H_20 ST	u.m.	25 KW	35 KW	60 KW
Type of boiler		CONDENSATION		
CE 92/42 efficiency class		IMQ	****	****
Certification CE		A+		
Performance class		B23P, C13, C33, C43, C53, C63, C83		
Evacuation		FLUE		
Type of evacuation		G20-G25-GLP		
Type of gas		G20-G25-GLP		
Smoke outlet diameter	cm	80	80	80
Number of elements	n	2	3	4
Minimum power	kW	2,2	6,5	10,5
Nominal power	kW	25	35	60
Thermal power	kW	26,4	36,4	62,1
Mass flow of fumes	kg/h	30	34	42
Volume of gas fumes	dm3	160	210	350
CO_2 rate	%	9,1	9,2	9
Smoke temperature	°C	66,5	69	68,5
Gas inlet diameter	"G	3/4"	3/4"	3/4"
Chimney volume	L	8,5	11,12	14
Burner diameter	mm	70	70	70
Smoke side resistance	mbar	0,4	0,6	0,96
Load efficiency of 100% and 70 ° C (PCS)	%	97,3	96,7	96,5
Load efficiency 30% and 50 ° C (PCI)	%	105,6	103,9	103,5
Electric consumption	A	0,6	0,7	0,75
Losses from standstill ΔT 30 °	W	102	108	121
Nominal water flow with Pn ΔT 15 °	m^3/h	0,87	1,146	1,39
CO_2 measured	%	9	9,2	9,3
CO measured	mg/kWh	21,52	21,17	21,87
Water capacity	L	32	48	64
Maximum operating pressure	bar	4	4	4
Maximum flow temperature	°C	87,5	87,5	87,5
Water side pressure drop ΔT 15 °	mbar	25	48	74
Adjustment range of the thermostats	°C	30 - 87,5	30 - 87,5	30 - 87,5
Overheating safety temperature	°C	97	97	97
Boiler dimensions	mm	530x592x1045	830x592x1045	830x592x1045
Nox class		5	5	5
Boiler outlet	"G	1"	1"	1"
Boiler return	"G	1"	1"	1"
Emptying	"G	3/4"	3/4"	3/4"
Net weight	kg	105	135	185

* External pump connection available on request. * Separate boiler. * External-internal environmental probe predisposition

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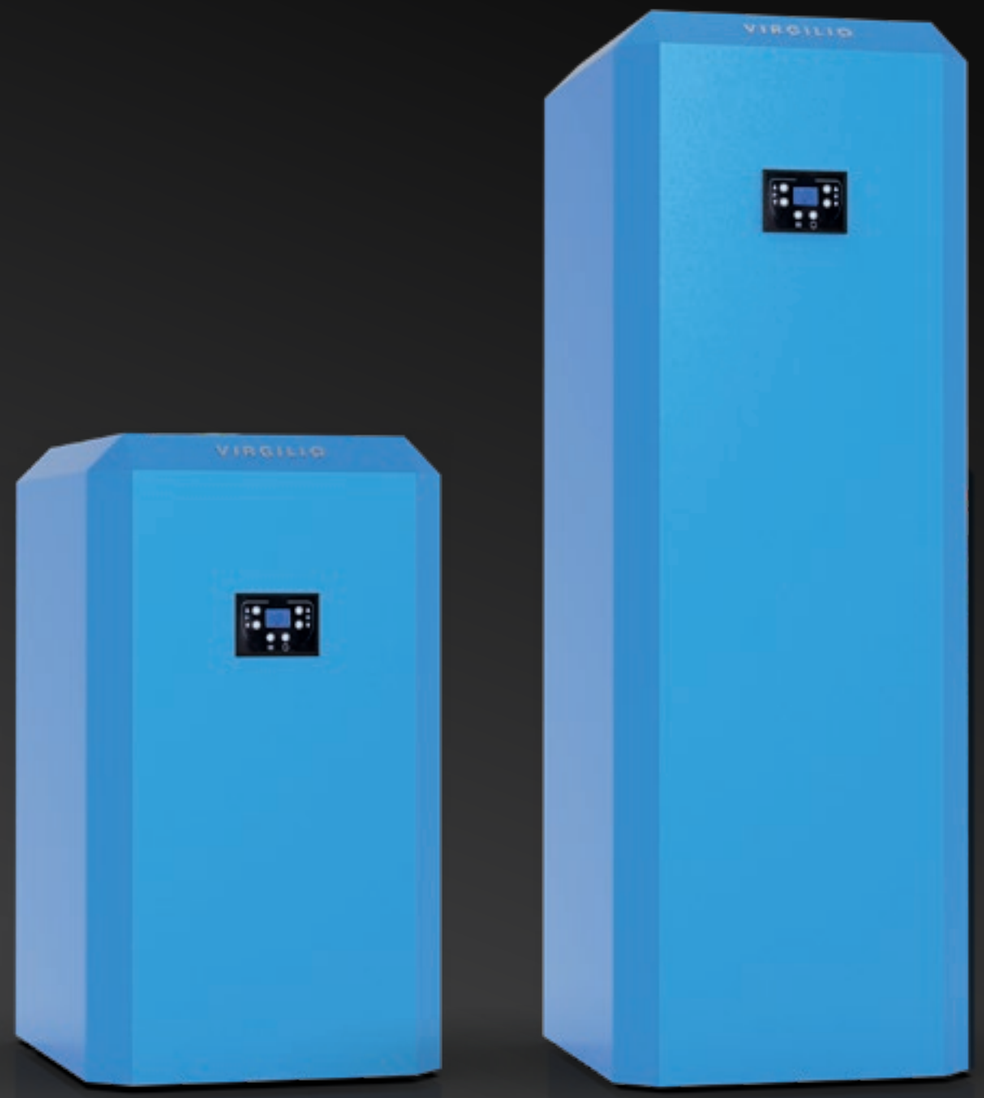
VIRGILIO
HIGH EFFICIENCY GAS BOILERS

VIRGILIO cast-iron floor-standing boilers are available in both open and sealed chambers and are designed with an innovative geometry to ensure high efficiency and long life.

The boilers are modular and start from 15 kW up to 100 kW and on request can be produced with higher powers. VIRGILIO gas boilers can also be combined with an external boiler for the production of sanitary water.

The VIRGILIO boiler is within the parameters and can be certified according to the current EAC Standards regulation.



MODULAR GAS SYSTEM

The VIRGILIO open chamber boilers are available in three versions:

VIRGILIO Heating only (electronic version or manual version heating only – no power connection required

VIRGILIO ST Heating with integrated 105-liter storage tank (Viriglio ST) for domestic hot water supply.

High performance atmospheric burner.

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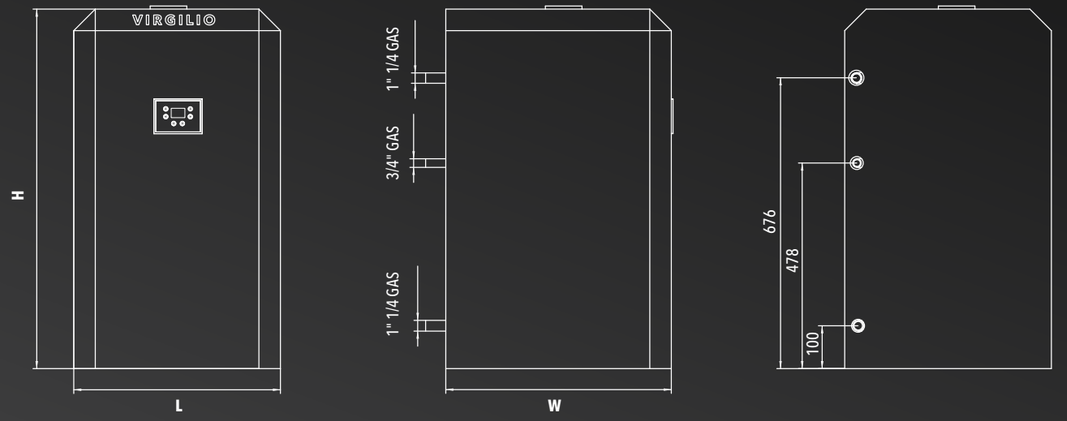
VIRGILIO

- Low temperature classification
- Atmospheric burner Worgas or Polidoro in stainless steel
- WILO circulation water pump
- Predisposed and connectable to solar systems for DHW production
- Designed and built for a minimum pressure 1mbar / max 6mbar
- External kettle available
- Anti-legionella function managed by electronics
- No Frost function
- Electronic unmanned ignition
- Giordano Group Electronics
- Tested up to 6mbar
- Wi-Fi connectivity
- 5 year warranty

EXTERNAL KETTLE

VIRGILIO	u.m.	15kW	22kW	30kW	40kW	50kW	60kW	70kW	90kW	100kW
Number of elements	n	3	4	5	6	7	9	10	11	12
Max. Thermal Capacity	Kw	17	24	33	43	55	65	79	99	108
Min. Thermal Capacity	Kw	5	10	15	20	25	30	40	60	70
Min. Thermal power	Kw	3	8	13	18	22	29	43	55	66
Pmax efficiency (80-60 ° C)	%	91	91	91	91	91	91	91	91	91
Efficiency 30%	%	94	94	94	94	94	94	94	94	94
Max. Heating pressure	bar	6	6	6	6	6	6	6	6	6
Min. Heating pressure	bar	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Max. Heating temperature	°C	95	95	95	95	95	95	95	95	95
Heating water container	lt.	18	24	30	36	42	54	60	66	72
Protection	IP	X0D	X0D	X0D	X0D	X0D	X0D	X0D	X0D	X0D
Power supply	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Empty weight	Kg	80	117	160	213	267	320	373	480	533
Combustion chamber length	mm	140	220	300	380	460	620	700	780	860
Dimension combustion chamber	mm	160X198	160X198	160X198	160X198	160X198	160X198	160X198	160X198	160X198
Loss of smoke pressure	mbar	0,2	0,2	0,3	0,3	0,4	0,4	0,5	0,5	0,6
Open Camera Version		A	A	A	A	A	A	A	A	A
Sealed Chamber Version		S	S	S	S	S	S	S	S	S

* Separate boiler * Predisposition for external-internal environmental probe



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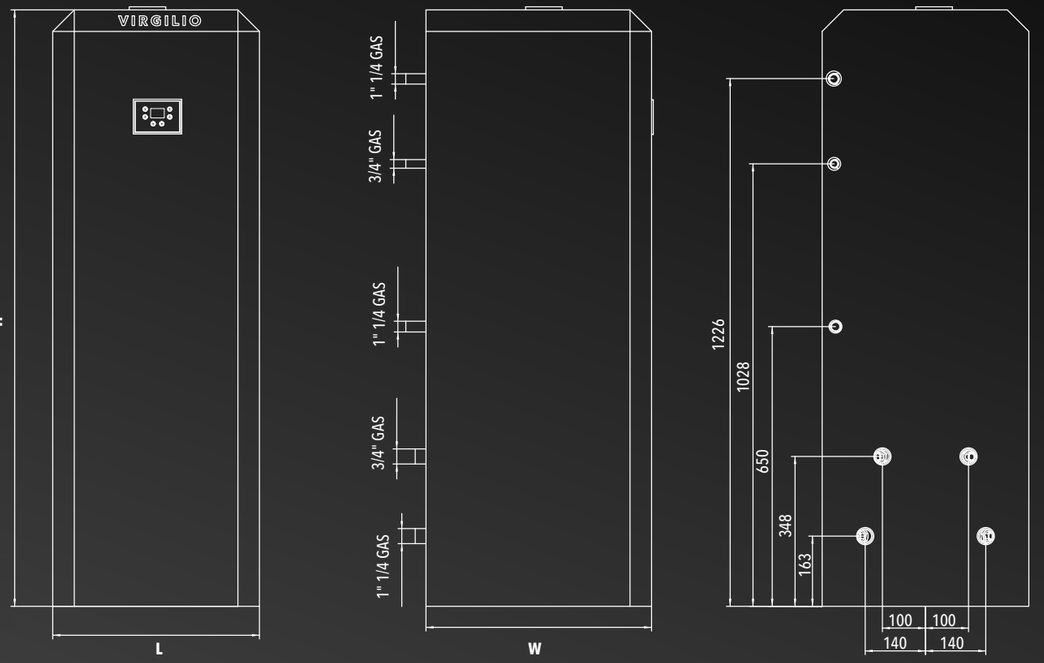
INTEGRATED BOILER

VIRGILIO ST

- High performance
- Nox emissions class 5 etc.
- Low temperature classification
- Designed and built for a minimum pressure 1mbar / max 6mbar
- Electronic gas valve (patented) Giordano Group up to 6mbar
- Atmospheric burner Worgas or Polidoro in stainless steel
- WILO circulation water pump
- Electronic ignition with and without pilot
- Predisposed and connectable to solar systems for DHW production
- Internal kettle
- Anti-legionella function managed by electronics
- No Frost function
- Giordano Group Electronics
- Wi-Fi connectivity

VIRGILIO ST	u.m.	15kW	22kW	30kW	40kW	50kW	60kW	70kW	90kW	100kW
Number of elements	n	3	4	5	6	7	9	10	11	12
Max. Thermal Capacity	Kw	17	24	33	43	55	65	79	99	108
Min. Thermal Capacity	Kw	5	10	15	20	25	30	40	60	70
Min. Thermal power	Kw	3	8	13	18	22	29	43	55	66
Pmax efficiency (80-60 ° C)	%	91	91	91	91	91	91	91	91	91
Efficiency 30%	%	94	94	94	94	94	94	94	94	94
Max. Heating pressure	bar	6	6	6	6	6	6	6	6	6
Min. Heating pressure	bar	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Max. Heating temperature	°C	95	95	95	95	95	95	95	95	95
Heating water container	lt.	18	24	30	36	42	54	60	66	72
Protection	IP	X0D	X0D	X0D	X0D	X0D	X0D	X0D	X0D	X0D
power supply	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Empty weight	Kg	80	117	160	213	267	320	373	480	533
Combustion chamber length	mm	140	220	300	380	460	620	700	780	860
Dimension combustion chamber	mm	160X198	160X198	160X198	160X198	160X198	160X198	160X198	160X198	160X198
Loss of smoke pressure	mbar	0,2	0,2	0,3	0,3	0,4	0,4	0,5	0,5	0,6
Open Chamber Version		A	A	A	A	A	A	A	A	A
Sealed Chamber Version		S	S	S	S	S	S	S	S	S

* Predisposition for external-internal environmental sonde



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BEATRICE
HIGH EFFICIENCY OIL BOILERS

BEATRICE cast-iron oil-fired floor-standing boilers are designed with an innovative geometry to ensure high efficiency and long life: they are equipped with a high-efficiency burner.

They can be supplied with heat recuperation (condensing system with Gulliver Burner or with standard oil burner RG Burner). The boilers are modular and start at 30 kW and go up to 65 kW and can be produced in higher powers on request. The oil boilers can also be combined with an external boiler for the production of domestic hot water.

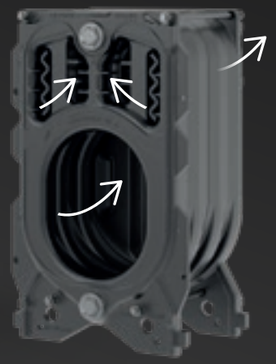
The BEATRICE boiler falls within the parameters and can be certified according to the current regulations (EN 303 and EAC Standards).

MODULAR OIL SYSTEM

BEATRICE boilers are modular and can be ordered in the following versions:

BEATRICE: Heating only in electronic version

BEATRICE ST: Heating and 105 liters boiler for hot water supply



High performance atmospheric burner.

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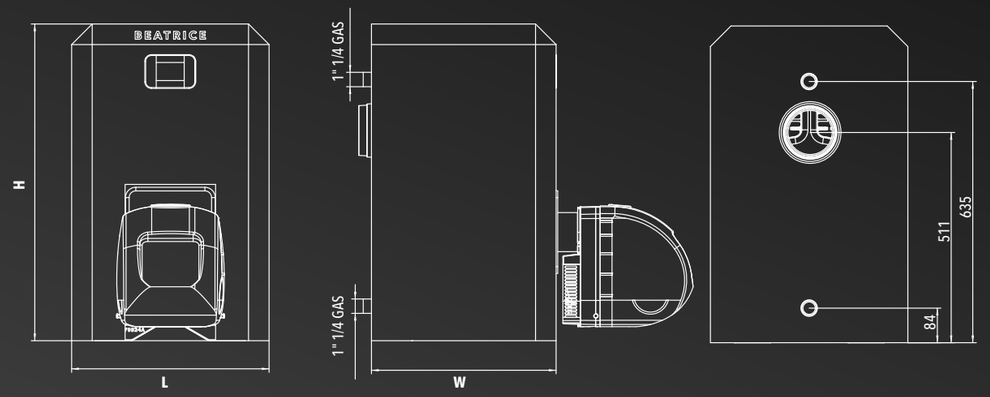
BEATRICE

- WILO circulation water pump
- Inspection door and smoke chamber cleaning
- Giordano Group Electronics
- Designed and built for a minimum pressure 1mbar / max 4mbar
- Burner available on request
- Anti-legionella function managed by electronics
- No Frost function
- Wi-Fi connectivity

BEATRICE	u.m.	20kw	25kw	30kw	40kw	50kw
Content liters of water	L	14.23	13.84	20.46	23.38	29.61
Delivery / return size	Cm	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Smoke chamber diameter	Cm	125 / 130	125 / 130	125 / 130	125 / 130	150
Number of elements	N	3	4	4	5	6
Combustion chamber size	Cm	600	600	600	600	600
Combustion chamber depth	mm	500.5	500.5	645.5	645.5	777.5
Packing weight	kg	199	213	237	263	301
Necessary draft	mb	0,17	0,17	0,17	0,2	0,27
Loss of pressure	mb	0,12	0,12	0,12	0,15	0,2
Smoke temperature	°C	165	165	165	165	165
Nominal power	kW	18	25	30	40	50
Maximum power	kW	26	29	37	46	54
Combustion chamber volume	dm³	15	17	24	30	39
Smoke circuit volume	dm³	20	25	31	39	50

* Separate boiler * Predisposition for external-internal environmental probe

EXTERNAL KETTLE



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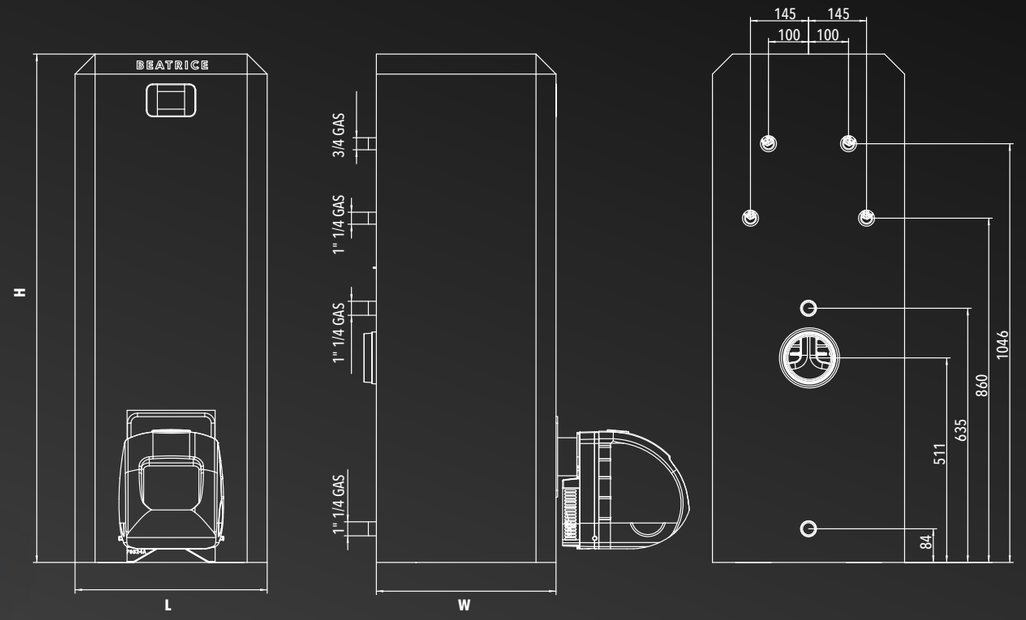
INTEGRATED BOILER

BEATRICE ST

- WILO circulation water pump
- Inspection door and smoke chamber cleaning
- Giordano Group Electronics
- Designed and built for a minimum pressure 1mbar / max 4mbar
- Burner available on request
- Internal kettle
- Anti-legionella function managed by electronics
- No Frost function
- Wi-Fi connectivity

BEATRICE ST	u.m.	20kw	25kw	30kw	40kw	50kw
Content liters of water	L	14.23	13.84	20.46	23.38	29.61
Delivery / return size	Cm	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Smoke chamber diameter	Cm	125 / 130	125 / 130	125 / 130	125 / 130	150
Number of elements	N	3	4	4	5	6
Combustion chamber size	Cm	600	600	600	600	600
Combustion chamber depth	mm	500.5	500.5	645.5	645.5	777.5
Packing weight	kg	199	213	237	263	301
Necessary draft	mb	0,17	0,17	0,17	0,2	0,27
Loss of pressure	mb	0,12	0,12	0,12	0,15	0,2
Smoke temperature	°C	165	165	165	165	165
Nominal power	kW	18	25	30	40	50
Maximum power	kW	26	29	37	46	54
Combustion chamber volume	dm³	15	17	24	30	39
Boiler capacity	lt.	105	105	105	105	105
Smoke circuit volume	dm³	20	25	31	39	50

* Predisposition for external-internal environmental sonde



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EFESTO
BIOMASS WOOD AND PELLET BOILERS

The EFESTO wood/solid fuel floor-standing boiler is made with a cast iron body and has been designed to ensure maximum yield; an air circuit has been designed inside the body to optimize the draught of the fumes.

Main features:

- Capacious firebox with large loading door to load wood
- Door lever with anti-scald rubber protection
- Sturdiness of the cast iron body
- Resistance to corrosive agents
- Thermostatic draft regulator to optimize primary air
- Manual secondary air regulator, with entry into the combustion chamber from the rear element
- Chimney draught regulator
- Thermometer with bulb probe

WOOD-PELLET CONVERSION

EFESTO boilers are modular and can be ordered in the following versions:

EFESTO WOOD

EFESTO PELLET

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Fumes Route

Secondary Air

Exhaust and combustion chamber

Primary Air

INNOVATIVE FLUE GAS RECIRCULATION SYSTEM

The Efesto wood boiler can be connected to an external boiler for the production of domestic hot water; it is within the parameters and can be certified according to the current regulations (EN 303 and EAC standards).

The Efesto boiler uses an innovative secondary air circuit: the air is pre-heated inside the door and, through an internal circuit, arrives in the rear element.

The high temperature of the air promotes complete oxidation of the gases.

The air turns end by directing the flue gases towards the chimney for expulsion from the boiler.

The chimney is equipped with draught regulation and an opening to be used for cleaning.

BRUCIATORE B-MAX PELLET

The EFESTO boiler (pellet version) can be easily transformed into PELLET, this transformation allows mounting an efficient burner to use pellets as fuel.
Mounting the pellet burner B-MAX means being able to manage the biomass boiler electronically.

The B-MAX pellet burner is self-modulating with five power levels to ensure high efficiency.

Key features:

- Fully automatic instantaneous temperature control
- Reliable ignition and shutdown thanks to safety probes
- High quality materials
- Electronic self-adjustment according to the fuel used
- PELLET of wood sawdust in sizes from 6 to 8 Mm

The PELLET boiler can be connected to an external boiler for the production of domestic hot water; it can be remotely managed with a system integrated in the pellet burner also via wi-fi with an app on your smartphone.

You can plan, monitor and control automatically climatic comfort, production of thermal energy and energy consumption.

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EFESTO

- Large fireplace with large door to load the wood
- Door lever with anti-scald protection
- Sturdiness of the cast iron body
- Resistance to corrosive agents
- Thermostatic draft regulator to optimize the primary air
- Manual secondary air regulator, with entry into the combustion chamber from the rear element
- Chimney draft regulator
- Thermometer with bulb sonde

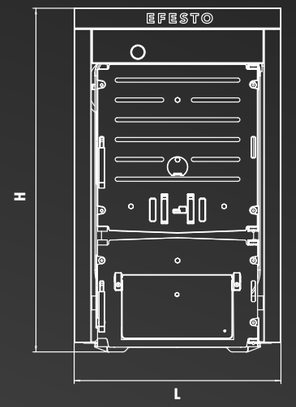
EFESTO PELLET

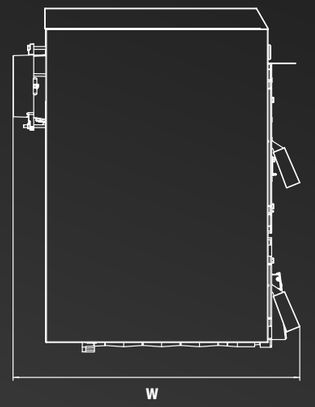
- Instant temperature regulation fully automatic
- Reliable switching on and of thanks to safety sonde
- High quality materials
- Electronic self-regulation in operation of the fuel used
- PELLETS of wood sawdust in sizes from 6 to 8 Mm

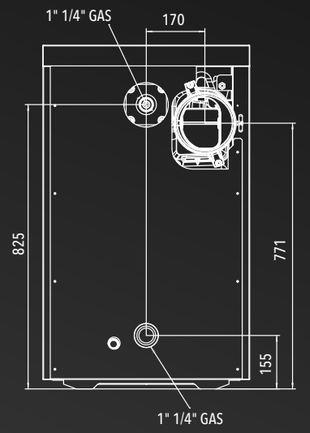
BOLLITORE ESTERNO

EFESTO	u.m.	20kw	25kw	30kw	40kw	50kw
Number of elements	L	14.23	13.84	20.46	23.38	29.61
Wood heat production	Cm	1"1/4	1"1/4	1"1/4	1"1/4	1"1/4
Max. Working pressure	Cm	125 / 130	125 / 130	125 / 130	125 / 130	150
Heating water container	N	3	4	4	5	6
Combustion Chamber Dimensions	Cm	600	600	600	600	600
Recommended wood sizes	mm	500.5	500.5	645.5	645.5	777.5
Energy capacity Wood	kg	199	213	237	263	301
Pallet energy capacity	mb	0,17	0,17	0,17	0,2	0,27
Temperature regulation	mb	0,12	0,12	0,12	0,15	0,2
Boiler min. Temperature	°C	165	165	165	165	165
Min. Pressure	kW	18	25	30	40	50
Max. Pressure	kW	26	29	37	46	54
Min. Flow	dm^2	15	17	24	30	39
Max. Temperature	dm^2	20	25	31	39	50
Burning time loaded with wood	dm^2	15	17	24	30	30
Min. Chimney	dm^2	20	25	31	39	39
Boiler capacity	dm^2	15	17	24	30	30
Dimensions	dm^2	20	25	31	39	39

* Separate boiler * Predisposition for external-internal environmental probe







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EXTERNAL BOILERS FOR BOILERS

CFD offers a range of external boilers for all its cast iron floor standing boilers. Stainless steel kettle of 110 liters with thermal insulation.

The kettle has inside a double heating circuit to be prepared for an alternative energy source to the boiler.

Anti-legionella system is also included.

BOILERS	ST
Content	100
Material	Stainless Steel
Empty weight	30kg
Maximum pressure on the sanitary side	6 bar
Maximum pressure on the primary circuit side	5 bar
Exchanger surface	0,7 m²
Boiler temperature	80 °C
Continuous production of hot water with ΔT 30 ° C	833 liters
Exchange power with ΔT 30 ° C	29 kW / 25.000kcal / h
Continuous production of hot water with ΔT 35 ° C	666 litri / h
Peak flow with ΔT 35 ° C	175 liters / 10min
Power exchanged with ΔT 35 ° C	27,10 kW / 23.310 kcal / h

EXTERNAL BOILERS

UNIVERSAL EXTERNAL BOILER

CUSTOM EXTERNAL BOILER FOR VIRGILIO-BEATRICE-EFESTO

Possibility to customize external boiler with the chosen boiler

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CFD

CFD | COOPERATIVA FONDERIA DANTE

A+ ENERGY CLASS

CE CERTIFICATION

CERTIFICATION

OxyBlock DIRECT CONDENSATION CORROSION PROTECTION

ELECTRONIC CONTROL

INTEGRATED WI-FI SYSTEM

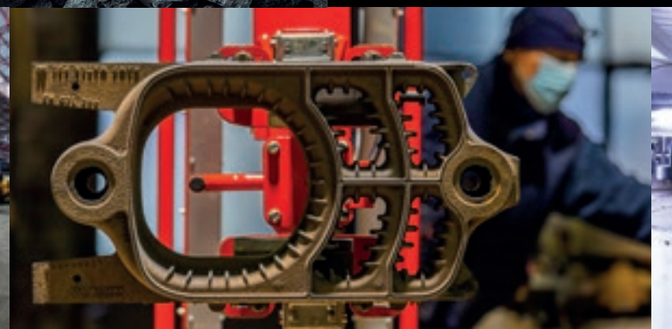
TOUCH SCREEN

10 YEARS WARRANTY ON CAST IRON EXCHANGERS

5 YEARS WARRANTY ON CAST IRON EXCHANGERS

CAST TO LAST

WELCOME TO CFD



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