










DOMESTIC
H E A T I N G
WATER HEATERS
SOLAR THERMAL
HEAT PUMPS
AIR CONDITIONING

Product Range

 **ferroli**

SUMMARY POCKET FERROLI

Identification colours for each product family

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EN ISO 9001:2008
CERTIFIED
QUALITY SYSTEM

FERROLI RESPECTS THE ENVIRONMENT. THIS CATALOGUE HAS BEEN PRINTED ON ECOLOGICAL PAPER WITH NO USE OF CHLORINE.

ErP r-EVOLUTION



WHAT ARE ERP REGULATIONS AND HOW DO THEY INFLUENCE THE MARKETS IN EU MEMBER STATES?

The 4 “ErP Regulations” on: Ecodesign (minimum efficiency limits) and Energy Labelling are mandatory and single-market provisions which entered into force in 28 Countries all over Europe on 26th September 2015.



WHAT HAPPENS IN PRACTICE (FOR MANUFACTURERS)?

Starting from 26th September 2015 manufacturers and importers can no longer produce -neither import- into the EU market boilers or water heating systems not in conformity with ErP Regulations.

In addition to this, current products manufactured or imported into the EU shall now be equipped only with high efficiency pumps (on the heating or cooling side), in compliance with ErP Regulations EU 641/2009 and EU 622/2012.



WHAT HAPPENS IN PRACTICE (FOR WHOLESALERS AND INSTALLERS)?

The last person (usually: **the installer**) who sells a ErP-related product or system to the final customer shall bear the responsibility to provide to the customer a printed Energy Label, to explain the related info wherever necessary, **and fill in and deliver himself to the final customer a “System Energy Label” for packages sold and installed altogether.**

Installers and wholesalers can anyhow continue to market and sell products ante-ErP (purchased from the manufacturer or imported before 26th September 2015) until they like, as to say until they exist at stock, even if these products/systems do not conform to ErP Regulation (neither they are required to comply), and even if they are not supplied with an Energy Label (in fact they cannot and shall not).



HOW WILL THIS CHANGE THE DESIGN OF NEW PRODUCTS?

Surely the design of new products is changed.

All products and systems (“packages”) ErP compliant after 26th September 2015 **shall respect new efficiency limits and shall bear an Energy Label.**

The new minimum efficiency limits (and noise limits for heating heat pumps) are mandatory for heating systems and sanitary hot water system up to 400 kW, and to storages up to 2.000 lt.

All new products shall be designed to match higher efficiency levels, **with the only exception for type B (open flue) boilers, not fan-assisted, which can only be produced and marketed within the EU for installation on collective flue chimneys.**

Additionally to the new efficiency limits, all boilers, heat pumps and sanitary water heaters up to 70 kW shall bear the Energy Label, as far as storage up to 500 lt.

The same obligation for Energy Labelling applies for systems (“packages”) made by two or more ErP-obliged products, independently from the fact that they are proposed and marketed altogether from a manufacturer, an importer, or subsequently from a wholesaler or an installer. The legal person proposing the system is responsible for the filling, the printing and the delivery of the “system energy label”.

The indication of the noise level becomes mandatory all over Europe (with a unified standard, measuring method and test protocol), whilst for heating heat pumps the noise level shall also respect new, mandatory limits.

ErP r-EVOLUTION

HOW IS THE ENERGY LABEL CONCEIVED FOR PRODUCTS/PACKAGES?

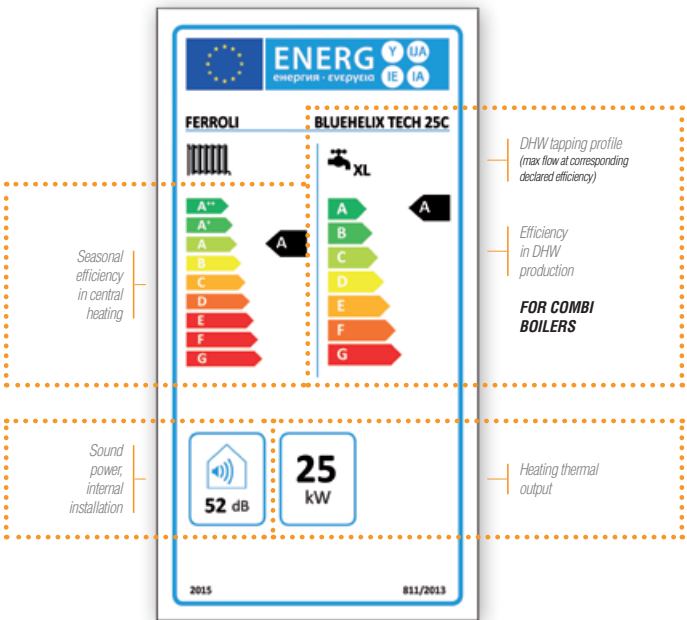
The Energy Label for each ErP product (supplied by manufacturer) must be attached to products shown/proposed for sale up to 70 kW (boilers, heat pumps and water heaters) and to storages up to 500 lt, even in case they are offered for sale via a digital media e.g. an online website.

For combi products including the hot sanitary water functionality the Energy Label will show two columns, with the heating efficiency class on the left and the sanitary hot water efficiency class on the right.

In the sanitary hot water part it shall also be declared the sanitary load profile most suitable for the product, as tested and finally selected by the manufacturer.

The maximum Energy Efficiency Class allowed for fossil fuel heaters is “A” class (apart in case they are part of a system/package, which in this case could rank out in a better efficiency class globally).

To raise up the Energy Efficiency Class it is necessary to propose for sale a “package” with two or more ErP products, among which at least one shall be a renewable energy product (e.g. solar thermal device and/or heat pump).



TO SUMMARIZE:

OUTPUT POWER RANGE:	0 – 70 kW 0 – 500 lt (storages and DHW tanks)	71 – 400 kW 71 - 500 kW (biomass) 501 – 2000 lt (buffers and cylinders)
Heater / heat generator: boiler, heat pump (biomass boilers: labelling from 2017, limits from 2020)	ENERGY LABEL (mandatory) Efficiency limits (mandatory)	NO Energy Label (not required/not possible) Efficiency limits (mandatory)
Sanitary Hot Water device / storage tank (biomass boilers: labelling from 2017, limits from 2020)	ENERGY LABEL (mandatory) Efficiency limits (mandatory)	NO Energy Label (not required/not possible) Efficiency limits (mandatory)
Package system combination of min. 2 ErP compliant and ErP labelled products)	ENERGY LABEL (mandatory for the package/system + single ErP label of each single product) Efficiency limits (mandatory): only for each single products, not for the resulting system	ENERGY LABEL (mandatory for the package/system + single ErP label of each single product) Efficiency limits (mandatory): only for each single products, not for the resulting system

SYMBOLS KEY



Product in accordance with ErP regulations



Product not considered by ErP regulation, yet marketable in EU



Product for extra EU markets only



Electronics features built-in **master-slave cascade** operation, without additional controllers



Can be combined with **DHW pre-heating** appliances, such as solar collectors



Management of a **solar collectors system** (as a standard or after installation of optional kits)



Possible connection to an optional outdoor probe, thus enabling **system flow temperature compensation**



Ultra-performing "**Blue Forever**" heating element, featuring a special treatment that eliminates almost all deposits



Patented monothermic primary exchanger in **AISI 316 Ti stainless steel**



Patented double function single exchanger in **AISI 316 Ti stainless steel**



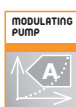
Patented exchanger in **AISI 316 Ti stainless steel**



Can be combined with modulating **remote control ROMEO**



Includes class A efficiency pump **ERP compliant**



Includes modulating pump - class A efficiency - **ERP compliant**



"Range rated" certified generator, according EN 483

CONDENSING LINE

GAS CONDENSING BOILERS

BLUEHELIX PRO	8
BLUEHELIX TECH C	8
BLUEHELIX TECH A - H	8
DIVACONDENS	10
BLUEHELIX K 50	10
BLUEHELIX B	10
BLUEHELIX B K 50	12
BLUEHELIX B S K 100	12
ECONCEPT SOLAR ST	12
ENERGY TOP W	14
ENERGY TOP B	14
QUADRIFOGLIO B	14

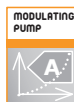
OIL CONDENSING BOILERS

ATLAS D CONDENS UNIT	16
ATLAS D CONDENS SI UNIT	16
ATLAS D CONDENS K UNIT	16

BLUEHELIX PRO

INSTANT COMBI WALL-HUNG CONDENSING BOILER

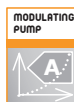
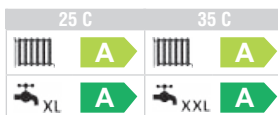
 A+ SYSTEM



BLUEHELIX TECH C

INSTANT COMBI WALL-HUNG CONDENSING BOILER

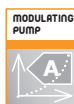
 A+ SYSTEM




BLUEHELIX TECH A - H

WALL-HUNG CONDENSING BOILER, HEATING ONLY


 A+ SYSTEM



- Patented exchanger in stainless **steel AISI 316 Ti**, double function, boasting considerable thickness
- Exchanger consisting in a **pipe-in pipe coil**, with no welding, nor joint, for central heating and instantaneous domestic hot water
- Function "**self-cleaning**" of the exchanger reduces limestone deposits inside DHW circuit
- **Condensation phenomena is enhanced** also in domestic hot water mode thanks to the efficient construction of the monobloc exchanger
- Integrated combustion unit featuring premix low-NOx assembly with silencer, fan, stainless steel burner
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **Modulating pump** with ΔT control
- Can be combined to the **modulating remote control** and **outdoor probe**
- **Connection to solar heating systems:** ready for domestic hot water production in combination with solar collectors systems
- : in combination with Romeo remote control and the outdoor probe


Dimensions (WxHxD): 400x600x320 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 25°C l/min	Seasonal efficiency η_s %
BLUEHELIX PRO 25 C	26,5	25,0	15,5	94
BLUEHELIX PRO 32 C	31,3	29,5	18,3	94

- Patented primary exchanger in stainless **steel AISI 316 Ti**, boasting considerable thickness
- Exchanger consisting in a **unique large section coil**, with no welding, nor joint
- **Domestic hot water** production through dedicated plates exchanger
- Integrated combustion unit featuring premix low-NOx assembly with silencer, fan, stainless steel burner
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **Modulating pump** with Δt control
- Complete thermoacoustic insulation
- Can be combined to the **modulating remote control** and **outdoor probe**
- **Connection to solar heating systems:** ready for domestic hot water production in combination with solar collectors systems
- : in combination with Romeo remote control and the outdoor probe

Dimensions (WxHxD): 400x600x320 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 25°C l/min	Seasonal efficiency η_s %
BLUEHELIX TECH 25 C	26,5	27,5	15,5	94
BLUEHELIX TECH 35 C	34,0	34,8	19,5	94

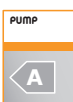
- Patented primary exchanger in stainless **steel AISI 316 Ti**, boasting considerable thickness
- Exchanger consisting in a **unique large section coil**, with no welding, nor joint
- includes 3 way valve for connection to an external DHW tank, with antiseize program (only electronic pre-setting for mod. S 45 H)
- Integrated combustion unit featuring premix low-NOx assembly with fan and stainless steel burner
- Can be combined to the **modulating remote control** and **outdoor probe**
- **Modulating pump**, PWM controlled, with electronic control of starting and pull-up torque. Built-in electronic control for self-protection against under/overvoltage, overload, external reverse flow
- Complete thermoacoustic insulation
- : in combination with Romeo remote control and the outdoor probe (only for mod. 25 A - 35 A)

Dimensions (WxHxD): mod. 18÷35: 400x700x330 mm - mod. 45: 420x700x320 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Max operating pressure bar	Seasonal efficiency η_s %
BLUEHELIX TECH 18 A	18,5	17,4	3	93
BLUEHELIX TECH 25 A	26,5	25,0	3	94
BLUEHELIX TECH 35 A	36,9	34,8	3	94
BLUEHELIX TECH 45 H	45,6	43,0	3	93

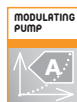
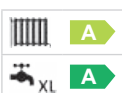
DIVA CONDENS

ATMOSPHERIC CONDENSING BOILER,
WITH INSTANT DOMESTIC HOT WATER PRODUCTION



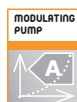
BLUEHELIX K 50

CONDENSING WALL-HUNG BOILER
INCLUDING STAINLESS STEEL STORAGE TANK



BLUEHELIX B


FLOOR STANDING GAS CONDENSING BOILER, HEATING ONLY



- Forced flue boiler, with stainless steel AISI 304 **atmospheric burner**, standard emissions
- **Double exchanger**: primary in copper with aluminium coating, domestic exchanger stainless steel type
- **Flue gas heat recovery recuperator system**, for primary circuit pre-heating
- Ideal for serving **traditional heating systems**, high or mid-temperature type
- Possible combination with **FZ4 zoning controller** to govern multi-zone and/or mixed heating system
- Liquid crystal display with back light for simple user operation
- Can be operated using the **modulating remote control**
- Condensate trap for air pressure switch
- Connection to **solar heating systems**: ready for domestic hot water production in combination with solar panel system


Dimensions (WxHxD): 400x680x330 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 25°C l/min	Seasonal efficiency η _s %
DIVACONDENS 24	25,9	25,0	14,0	87
DIVACONDENS 28	29,0	28,0	15,7	86

- Primary exchanger in stainless steel AISI 316 Ti
- Domestic hot water production through 50 liters storage tank in stainless steel, preset for recirculation connection
- Total premix low-NOx burner in stainless steel
- **Modulating pump** for heating system and DHW tank loading
- Digital Control board with multifunction display interface
- Can be connected to the modulating remote control
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **Flow temperature compensation** through optional outdoor probe reading
- Exchanger protection function, via ΔT control
- **Legionella protection**, programmable
- Timed **antiseize** program for pump and 3-ways valve
- : in combination with Romeo remote control and the outdoor probe

Dimensions (WxHxD): 600x800x590 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 30°C l/10min	Seasonal efficiency η _s %
BLUEHELIX 25 K 50	26,5	25,0	175	94
BLUEHELIX 32 K 50	29,5	32,0	195	94

- Heating only generator, with possibility to pilot a free-standing DHW storage tank
- **Patented heating exchanger in stainless steel AISI 316 Ti**, boasting considerable thickness
- Exchanger consisting in a unique large section coil, with no welding, nor joint
- Integrated low-NOx combustion unit featuring premix assembly with silencer, fan, stainless steel burner
- **Modulating pump** with ΔT control, timed anti-seize system, electronic control of starting and pull-up torque
- Complete thermoacoustic insulation
- Can be combined to the **modulating remote control** and **outdoor probe**
- Concentric or twin pipe flues system, with possible right, left or back outlet
- Easily accessible water and gas connections: this **facilitates replacement of old generators**
- : in combination with Romeo remote control and the outdoor probe (only for mod. 35)

Dimensions (WxHxD): mod. 35: 400x850x595 mm - mod. 45: 400x850x600 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Max operating pressure bar	Seasonal efficiency η _s %
BLUEHELIX B 35	34,0	32,0	3	94
BLUEHELIX B S 45	45,6	43,0	3	93

BLUEHELIX B K 50

FLOOR STANDING GAS CONDENSING BOILER,
STAINLESS STEEL STORAGE TANK



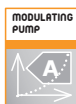
BLUEHELIX B S K 100

FLOOR STANDING GAS CONDENSING BOILER
INCLUDING STAINLESS STEEL STORAGE TANK



ECONCEPT SOLAR ST


FLOOR STANDING CONDENSING BOILER WITH DYNAMIC STORAGE,
MANAGEMENT OF ONE SOLAR SYSTEM AND TWO HEATING ZONES



- Primary **exchanger in stainless steel AISI 316 Ti**
- Domestic hot water production through **50 liters storage tank** in stainless steel, preset for recirculation connection
- Total premix low-NOx burner in stainless steel
- **Modulating pump** for heating system and DHW tank loading
- Digital Control board with multifunction display interface
- Can be connected to the **modulating remote control**
- **Water and gas connection easily accessible**: this favours replacement of old generators
- **Flue gas outlet via twin or concentric pipes**: right / left / back outlet possible
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **Flow temperature compensation** through optional outdoor probe reading
- Exchanger protection function, via ΔT control
- **Legionella protection**, programmable
- Timed antiseize program for pump and 3-ways valve
- Antifrost protection down to -5°C
- : in combination with Romeo remote control and the outdoor probe

Dimensions (WxHxD): 600x850x595 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 30°C l/10min	Seasonal efficiency η_s %
BLUEHELIX B 32 K 50	31,3	29,5	195	94

- Primary **exchanger in stainless steel AISI 316 Ti**
- Domestic hot water production through **100 liters storage tank in stainless steel**, preset for recirculation connection
- Total premix low-NOx burner in stainless steel, boasting wide modulation range
- **Modulating pump**, PWM controlled, with electronic control of starting and pull-up torque
- Digital Control board with multifunction display interface
- Can be connected to the **modulating remote control**
- **Water and gas connection easily accessible**: this favours replacement of old generators
- **Flue gas outlet via twin or concentric pipes**: right / left / back outlet possible
- Flow temperature compensation through optional outdoor probe reading
- Exchanger protection function, via ΔT control
- **Legionella protection**, programmable
- Timed antiseize program for pump and 3-ways valve
- Antifrost protection down to -5°C
- : in combination with Romeo remote control and the outdoor probe

Dimensions (WxHxD): 500x1500x535 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 30°C l/10min	Seasonal efficiency η_s %
BLUEHELIX B S 32 K 100	31,3	29,5	270	94

- **Aluminium boiler body** with dual function of heat exchanger and condenser
- Ceramical premix low-NOx burner with reverse flame
- Domestic hot water enamelled storage **cylinder with dynamic stratification**, 180 litres, with connection for recirculation and thermostatic valve on hot water outlet
- Simplified digital controls with display interface to show and set boiler's functions and parameters
- Central heating circuit with high efficiency modulating pumps and electronic board as standard for operation with **two zone heating systems**: a high temperature one and a second mixed one
- Domestic hot water circuit complete with hydraulic manifold and electronic board for **combination with solar thermal collectors**
- **Modulating pump** for solar circuit, high efficiency type
- **Class 3 DHW comfort** according to EN 13203, emended by Reg. 812/2013
- **Just one appliance** to handle **two CH zones** one of which mixed the production of domestic hot water and complete management of **one or more solar** thermal collectors for DHW integration
- Temperature compensation operation with optional outside probe
- Frost protection on central heating and domestic hot water circuit, anti-seize system for pump / 3-way valve and legionella protection

Dimensions (WxHxD): 600x1800x600 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 30°C l/10min	Seasonal efficiency η_s %
ECONCEPT SOLAR ST 18	19,0	18,0	230	92
ECONCEPT SOLAR ST 25	26,6	25,2	260	92

ENERGY TOP W

WALL-HUNG COMMERCIAL CONDENSING BOILER, HEATING ONLY, READY FOR CASCADE SYSTEMS



ENERGY TOP B

FLOOR STANDING CONDENSING VERTICAL MODULE, READY FOR CASCADE SYSTEMS. ALSO FOR OUTDOOR INSTALLATION UNTIL -10°C



DOUBLE CABINET
(B160 - B250)

SINGLE CABINET
(B80 - B125)



QUADRIFOGLIO B

STAINLESS STEEL CONDENSING GENERATOR



- **Aluminium boiler body** with dual function of heat exchanger and condenser, with **low pressure drop** and high efficiency
- Cylindrical micro-flame burner, vertical configuration, reverse flame, low-NOx
- The **Master/Slave** function on the electronic board manages the **cascading** operation of the modules with extreme simplicity, without requiring additional controllers
- Complete monitoring of circuit temperatures through double probe on flow and return pipes
- Can be hung-up on the wall or on self-supporting frames
- Wide availability of **accessories for modular operation** (hydraulic manifold, flue collective pipes, pump sets...)
- **Range-rated certified:** possibility to adapt max output to the real heating needs of the building


Dimensions (WxHxD): 445x900x430 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Max operating pressure bar	Seasonal efficiency η_s %
ENERGY TOP W 60	61,5	58,0	6	93
ENERGY TOP W 80	79,5	75,0	6	93
ENERGY TOP W 125	123,0	116,0	6	93

- Modular insulated painted cabinet structure (IPX5D), vertical layout with **double or single low-NOx combustion unit**
- **Aluminium finned spiral tube** boiler body, boasting **low pressure drop**
- Electronic board with microprocessor ready for **Master/Slave cascading** connection
- Module complete with insulated system flow and return **manifolds** (DN 100), pump and gas piping (DN65)
- Possible modular layout "**side-by-side**" or "**back-to-back**", in order to satisfy different installation requirements of the cascade in the boiler room, with easy connection of the collective hydraulic manifolds of the modules
- Maximum configuration: **5 Energy Top 250** (cascade output 24,6 ÷ 1.137 kW 80/60°C)
- Possibility to manage an additional sensor on flow manifold or after hydraulic separator
- **Range-rated certified:** possibility to adapt max output to the real heating needs of the building

Dimensions (WxHxD): mod. 80-125: 500x1700x450 mm - mod. 160-250: 1000x1700x450 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Max operating pressure bar	Seasonal efficiency η_s %
ENERGY TOP B 80	79,5	75,0	6	93
ENERGY TOP B 125	123,0	116,0	6	93
ENERGY TOP B 160	159,0	150,0	6	93
ENERGY TOP B 250	246,0	232,0	6	93

- **Steel vertical module** with low thermal load, huge water content
- The **exchanger in stainless steel AISI 316 Ti** consists in a tubes bundle. The helical rolling section is patented and has been designed to enhance thermal exchange and fumes condensation
- Premixed microflame burner, Low NOx combustion, vertical layout. **The reduced vertical clearance** enables water/flue gas exchange throughout the entire surface of the exchanger.
- Pocket on boiler flow, for the eventual installation of a safety valve
- Equipped with temperature probes on flow and return and water minimum pressure switch
- **Flue gas outlet reversible on right or left side** of the generator
- **Flue gas no-return** system for modular installation. As a standard on each boiler
- **Range rated certified boiler:** adaption of boiler max heating output to real max thermal load
- Wide and complete offer of **water, gas and flues accessories** - necessary for the installation of cascades including 2 or 3 generators
- : in combination with Romeo remote control and the outdoor probe

Dimensions (WxHxD): Mod. 70: 540x1760x600 mm - Mod. 125: 660x1760x600 mm
Mod. 220: 780x1820x600 mm - Mod. 320: 900x1820x600 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Max operating pressure bar	Seasonal efficiency η_s %
QUADRIFOGLIO B 70	69,9	65,5	6	94
QUADRIFOGLIO B 125	125,0	116,0	6	94
QUADRIFOGLIO B 220	220,0	207,0	6	94
QUADRIFOGLIO B 320	320,0	299,0	6	94

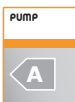
ATLAS D CONDENS UNIT

CAST-IRON OIL CONDENSING BOILER,
HEATING ONLY



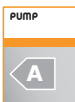
ATLAS D CONDENS SI UNIT

CAST-IRON OIL CONDENSING BOILER
WITH INSTANT DOMESTIC HOT WATER PRODUCTION



ATLAS D CONDENS K UNIT

CAST-IRON OIL CONDENSING BOILER,
INCLUDING ENAMELLED DOMESTIC HOT WATER STORAGE TANK



- G20 cast-iron boiler body with three pass flues sections and cooled combustion chamber
- **Stainless steel AISI 904L post-condenser** on flues outlet
- Easy, quick and complete access to the recuperator for cleaning operations
- Management of optional external storage cylinder with legionella protection
- **High efficiency class A heating circulator**. Can be set on a pre-fixed speed (3 modes) or on variable speed mode, self-adapting its pressure head
- Includes expansion tank, 3 bar safety valve and water pressure switch
- Complete with Ferroli **SUN G** oil burner (pre-assembled and pre-set)
- Convertible to sealed room type through optional kit
- **System temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Can be used with **remote control** (optional)

Dimensions (WxHxD): Mod. 32: 500x850x830 mm - **Mod. 42:** 500x850x930 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Max operating pressure bar	Seasonal efficiency η_s %
ATLAS D 32 CONDENS UNIT	33,8	33,0	3	91
ATLAS D 42 CONDENS UNIT	44,5	43,5	3	91

- G20 cast-iron boiler body with three pass flues sections and cooled combustion chamber
- **Stainless steel AISI 904L post-condenser** on flues outlet, featuring pipe-in-pipe construction
- **Tap water is heated in a coil dipped into the condenser**, resulting in a fast DHW production and top performances in condensation operation.
- Easy, quick and complete access to the recuperator for cleaning operations
- **High efficiency class A heating circulator**. Can be set on a pre-fixed speed (3 modes) or on variable speed mode. This latter setting will have pressure head increased correspondingly to the flow, enhancing energy economies
- Includes pump with diverting valve, expansion tank, 3 bar safety valve, water pressure switch and filling cock
- Complete with Ferroli **SUN G** oil burner (pre-assembled and pre-set)
- Convertible to sealed room type through optional kit
- **System temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Can be used with **remote control** (optional)

Dimensions (WxHxD): 500x850x830 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	DHW production Δt 25°C l/min	Seasonal efficiency η_s %
ATLAS D 32 CONDENS SI UNIT	33,8	33,0	18,9	91

- G20 cast-iron boiler body with three pass flues sections, with cooled combustion chamber
- **Stainless steel AISI 904L post-condenser** on flues outlet, supporting heating and DHW circuits
- Top **condensation** performances both in central **heating and DHW** operation.
- Easy, quick and complete access to the recuperator for cleaning operations
- **Enamelled 130 liters DHW storage tank**, equipped with recirculation connections
- Includes CH and DHW **high efficiency class A pumps** and expansion tank, safety valves, water pressure switch; filling valve to be assembled
- Complete with Ferroli **SUN G** oil burner (pre-assembled and pre-set)
- Convertible to sealed room type through optional kit
- **System temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Can be used with **remote control** (optional)

Dimensions (WxHxD): 500x1350x950 mm

Model	Heat output max 50°/30°C kW	Heat input max kW	Domestic hot water production Δt 30°C l/10 min	Seasonal efficiency η_s %
ATLAS D 32 CONDENS K UNIT	33,8	33,0	250	91

WALL-HUNG BOILERS

WALL-HUNG GAS BOILERS

DOMINA N	20
DIVA	20
DIVAPROJECT	20
DIVATECH D	22
DIVA H	22

WALL-HUNG ELECTRIC BOILERS

LEB	22
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DOMINA N

INSTANT COMBI WALL-HUNG GAS BOILER



DIVA

INSTANT COMBI WALL HUNG GAS BOILER



DIVAPROJECT

INSTANT COMBI WALL-HUNG GAS BOILER



* In EU, only as replacement of boilers installed in collective chimney, upon respect of local laws



- **Bithermic** copper exchanger
- Combined control panel: knobs, buttons, LEDs for a quick, easy handling of boiler operation
- **3 speed pump** with antiseize function: it is switched on for few seconds in case of 24 hours inactivity
- Hydraulic bypass as a standard
- Atmospheric burner in stainless steel AISI 304
- Can be combined with **modulating remote control**
- **Eco/Comfort** mode: choice of Comfort mode maintains exchanger warm, drastically reducing waiting time for domestic hot water supply
- **Ready for connection to solar systems:** integrated management of combined DHW production
- Condensate trap for air pressure switch
- Protection index **IPX5D**, which means excellent electrical protection of the appliance

Dimensions (WxHxD): Mod. 20-24 400x700x230 mm - Mod. 28-32 400x700x330 mm

Model C = open flue F = room sealed	Heat output max kW	Heat input max kW	Maximum DHW production Δt 25°C l/min	Empty weight kg
DOMINA C 24 N	23,5	25,8	13,4	25
DOMINA C 28 N	28,0	30,8	17,9	30
DOMINA C 32 N	31,3	34,4	17,9	30
DOMINA F 20 N	20,0	21,5	11,5	30
DOMINA F 24 N	24,0	25,8	13,7	30
DOMINA F 28 N	28,0	30,0	18,3	35
DOMINA F 32 N	32,0	34,4	18,3	35

- Traditional compact wall hung boiler for central heating and domestic hot water
- Monothermic **CH copper exchanger** plus **DHW stainless steel plates exchanger** fed by 230 V diverting valve
- Complete and intuitive control board, featuring backlit display and setting buttons
- Can be connected to **modulating remote control**, as optional
- Hydraulic bypass as a standard
- ECO/COMFORT mode for a fast production of domestic hot water
- Antifrost function, if gas and power supplied
- **Ready for connection to solar systems:** integrated management of combined DHW production through boiler and solar system
- **Condensate trap** for air pressure switch

Dimensions (WxHxD): 400x700x330 mm

Model C = open flue F = room sealed	Heat output max kW	Heat input max kW	Maximum DHW production Δt 25°C l/min	Empty weight kg
DIVA C 24	23,5	25,8	13,4	27
DIVA C 28	28,0	30,8	17,9	30
DIVA C 32	31,3	34,4	17,9	30
DIVA F 24	24,0	25,8	13,7	32
DIVA F 28	28,0	30,0	18,3	35
DIVA F 32	32,0	34,4	18,3	35
DIVA F 37	37,0	39,7	21,1	37

- Traditional compact wall hung boiler for central heating and domestic hot water, open flue, natural draught
- Monothermic **CH copper exchanger** plus **DHW stainless steel plates exchanger** fed by 230V diverting valve
- Combined control panel: knobs, buttons, LEDs for a quick, easy handling of boiler operation
- **Class A pump** with antiseize function: it is switched on for few seconds in case of 24 hours inactivity
- Hydraulic bypass as a standard
- Atmospheric burner in stainless steel AISI 304
- Modulating operation both in heating and domestic hot water mode
- Can be combined with **modulating remote control**
- Antifrost protection, if gas and power supplied and in stand-by mode
- **Ready for connection to solar systems:** integrated management of combined DHW production
- Condensate trap for air pressure switch
- Compact dimensions thus enabling installation, also in place where limited space is available
- Protection index **IPX5D**, which means excellent electrical protection of the appliance

Dimensions (WxHxD): 400x700x330 mm

Model	Heat output max kW	Heat input max kW	Max DHW production Δt 25°C l/min	Seasonal efficiency η_s %
DIVAPROJECT C 24	23,5	25,8	13,4	77
DIVAPROJECT C 30	30,0	33,0	17,2	76

DIVATECH D

WALL-HUNG BOILER
WITH INSTANT DOMESTIC HOT WATER PRODUCTION



DIVA H

ONLY HEATING WALL-HUNG BOILER



LEB

WALL-HUNG ELECTRIC BOILER, HEATING ONLY



- Traditional compact wall hung boiler for central heating and domestic hot water
- **Monothermic** CH copper exchanger plus DHW stainless steel **plates exchanger** fed by 230 V diverting valve
- Complete and intuitive control board, with autodiagnostic function, featuring backlit display and setting buttons
- Can be connected to **outdoor probe** and **remote control**, as optionals
- Hydraulic bypass as a standard
- Antifrost function, if gas and power supplied
- Ready for connection to **solar systems**: integrated management of combined DHW production through boiler and solar system
- **Compact dimensions**: same width and height of a bithermic wall hung boiler
- Available in the LPG version

Dimensions (WxHxD): 400x700x330 mm

Model C = open flue F = room sealed	Heat output max kW	Heat input max kW	Maximum DHW production Δt 25°C l/min	Empty weight kg
DIVATECH C 24 D	23,5	25,8	13,4	27
DIVATECH C 32 D	31,3	34,4	17,9	30
DIVATECH F 24 D	24,0	25,8	13,7	32
DIVATECH F 32 D	32,0	34,4	18,3	35
DIVATECH F 37 D	37,0	39,7	21,1	37

- **Primary exchanger in copper**, protected by aluminium coating
- Built-in electronic management of an **eventual external DHW cylinder**, fed by the onboard diverter valve
- Can be operated using the **modulating remote control**
- Complete and intuitive **backlit graphic display** for easy and correct setting of the parameters
- Antifrost function, if gas and power supplied
- Timed antiseize program for pump and diverter valve
- Automatic bypass as standard
- Condensate trap for air pressure switch
- Protection index **IPX5D**, which means excellent electrical protection of the appliance

Dimensions (WxHxD): Mod. 24: 400x700x330 mm - Mod. 32: 450x700x330 mm

Model C = open flue F = room sealed	Heat output max kW	Heat input max kW	Maximum operating pressure bar	Empty weight kg
DIVA H C 24	23,5	25,8	3	26
DIVA H F 24	24,0	25,8	3	31
DIVA H F 32	34,4	32,0	3	35

- **One or three phase** operation
- Output modulation on 6 stages for models 6 ÷ 9, on 12 steps for bigger models
- **Flow temperature compensation** through (optional) outdoor probe
- Heating planning through **internal timer** or optional programmable thermostat
- 2 levels antifrost function
- Modular operation through optional cascade controller
- Includes high efficiency pump with anti-seize function, expansion vessel, bypass
- Can manage an **external DHW tank**

Dimensions (WxHxD): Mod. 6÷9: 440x740x265 mm - Mod. 12÷24: 440x740x340 mm

Model	Input power kW	Current max max A	Operating pressure bar	Empty weight kg
LEB 6.0 TS	6,0	41	3	29,5
LEB 7.5 TS	7,5	41	3	29,5
LEB 9.0 TS	9,0	41	3	29,5
LEB 12.0 TS	12,0	3x43	3	40
LEB 18.0 TS	18,0	3x43	3	40
LEB 24.0 TS	24,0	3x43	3	40

Voltage: mod. 6÷9: 1x230V/50Hz or 3x230V/400V/50Hz - mod. 12÷24: 3x230V/400V/50Hz

FLOOR STANDING BOILERS

PEGASUS TP	26
PEGASUS T	26
PEGASUS 23 - 32 - 45	26
PEGASUS D 23 - 32 - 45	28
PEGASUS D K 130	28
PEGASUS	28
ATLAS	30
ATLAS D 32÷95	30
ATLAS D 25÷75	30
ATLAS D UNIT	32
ATLAS D SI UNIT	32
ATLAS D K UNIT	32
ATLAS DK	34
GN2 N	34
GN4 N	34
SFL	36
SUN P	36
PREXTERM RSW	38
PREXTERM RSH	38
PREXTERM RS3	40
THERMO EBM	40
SUN G	42
SUN M	42

PEGASUS TP

CAST IRON ATMOSPHERIC GAS BOILER,
ENERGY INDEPENDENT THROUGH THERMOPILE



PEGASUS T

CAST IRON ATMOSPHERIC GAS BOILER,
HEATING ONLY, PILOT IGNITION



PEGASUS 23 - 32 - 45

CAST IRON ATMOSPHERIC GAS BOILER,
HEATING ONLY



- Boiler body made of assembled **G 20 cast iron sections**, generously insulated by a rockwool layer externally lined with tearproof material
- Atmospheric burner in stainless steel with pilot ignition and thermocouple
- **No need of external electric supply:** electrical energy for boiler operation and safety controls is **self-produced** through a thermopile integrated on the burner
- Control panel protected with a flip cover
- Control board includes thermometer, pressure gauge, safety thermostat with manual reset and temperature setting knob
- **Oversize 1" ½ F system flow and return connections, for natural circulation**
- Steel casing painted white by anaphoresis using epoxy powder paint
- Easy access to combustion assembly and stack, simply removing casing (fixed with quick pressure clips) and respective insulation
- Boiler is supplied packed inside a robust wooden crate

Dimensions (WxHxD): Mod. 23: 400x850x615 mm - **Mod. 32-45:** 500x850x615 mm

Model	Heat output	Heat input	Max operating pressure bar	Empty weight kg
	kW	kW		
PEGASUS TP 23	23,0	25,3	6	106
PEGASUS TP 32	32,0	34,9	6	136
PEGASUS TP 45	45,0	45,9	6	164

- Boiler body made of assembled **G 20 cast iron sections**, generously insulated by a rockwool layer externally lined with tearproof material
- Atmospheric burner in stainless steel with pilot ignition and thermocouple
- **Analogue control panel** protected with a flip cover
- Control board includes thermometer, pressure gauge, ignition switch, safety thermostat with manual reset and temperature setting knob
- **Oversize 1" ½ F system flow and return connections**
- Steel casing painted white by anaphoresis using epoxy powder paint
- Easy access to combustion assembly and stack, simply removing casing (fixed with quick pressure clips) and respective insulation
- Boiler is supplied packed inside a robust wooden crate

Dimensions (WxHxD): Mod. 23: 400x850x615 mm - **Mod. 32-45:** 500x850x615 mm

Model	Heat output	Heat input	Max operating pressure bar	Empty weight kg
	kW	kW		
PEGASUS T 23	23,0	25,3	6	106
PEGASUS T 32	32,0	34,9	6	136
PEGASUS T 45	45,0	45,9	6	164

- Boiler body made of assembled **G 20 cast iron sections**, generously insulated by a rockwool layer externally lined with tearproof material
- Atmospheric burner in stainless steel with electronic ignition and ionization control
- **Analogue control panel** protected with a flip cover
- Control board includes temperature and pressure gauge, ignition switch, safety thermostat with manual reset and temperature setting knob
- **Oversize 1" ½ F system flow and return connections**
- Steel casing painted white by anaphoresis using epoxy powder paint
- Boiler is supplied packed inside a robust wooden crate

Dimensions (WxHxD): Mod. 23: 400x850x615 mm - **Mod. 32-45:** 500x850x615 mm

Model	Heat output	Heat input	Max operating pressure bar	Empty weight kg
	kW	kW		
PEGASUS 23	23,0	25,3	6	106
PEGASUS 32	32,0	34,9	6	136
PEGASUS 45	45,0	49,5	6	164

PEGASUS D 23 - 32 - 45

CAST IRON ATMOSPHERIC GAS BOILER,
HEATING ONLY



PEGASUS D K 130

CAST IRON ATMOSPHERIC GAS BOILER,
INCLUDING DOMESTIC HOT WATER, ENAMELLED STORAGE TANK



PEGASUS

CAST-IRON ATMOSPHERIC GAS BOILER,
HEATING ONLY



- Stainless steel atmospheric burner and gas valve with adjustable output according to the installation's requirement
- Management of optional external storage cylinder, with legionella protection
- System **flow temperature compensation** (with installation of optional outdoor probe)
- Wide backlit **LCD** interface with button control
- Can be connected with **remote control** (optional)
- **Frost protection** system
- Available as optional pump and expansion vessel kit

Dimensions (WxHxD): Mod. 23: 400x850x615 mm - **Mod. 32-45:** 500x850x615 mm

Model	Heat output kW	Heat input kW	Max operating pressure bar	Empty weight kg
PEGASUS D 23	23,0	25,3	6	106
PEGASUS D 32	32,0	34,9	6	136
PEGASUS D 45	45,0	49,5	6	164

- **3 stars** efficiency according to former 92/42 EEC for 30 and 40 models
- Digital control panel suitable for connection to Opentherm **modulating remote control** and **outdoor probe** (optionals)
- Evolved **digital** interface for planning and monitoring of CH-DHW temperatures and advanced features (economy, legionella protection, troubleshooting ect)
- Stainless steel AISI 304 atmospheric gas burner
- Gas valve with adjustable output according to the installation's requirement, thus allowing unchanged combustion quality and excellent performances
- Central Heating **frost protection** system
- **130 ltrs** enamelled steel hot water **storage**
- DHW storage tanks are equipped with connection for a recirculation loop, for immediate availability of hot water to the user

Dimensions (WxHxD): 500x1345x950 mm

Model	Heat output kW	Heat input kW	Maximum DHW production Δt 30°C l/10 min	Empty weight kg
PEGASUS D 30 K 130	30,2	32,2	250	250
PEGASUS D 40 K 130	40,1	42,9	250	275
PEGASUS D 45 K 130	45,0	49,5	250	275

- Atmospheric burner with AISI 304 steel heads, electronic ignition with intermittent pilot flame and safety device detecting the ionisation current produced by the flame
- Variable heat input, with **two-stages** operation (except model 56)
- Flues collector with semi-integrated antirefouleur and flues test point
- Control board is **preset** for integration of an **electronic controller**

Dimensions (WxHxD): 600 ÷ 1780 x 850 ÷ 1050 x 615 ÷ 1100 mm

Model	Heat output kW	Heat input kW	Max operating pressure bar	Empty weight kg
PEGASUS 56	56,0	61,6	6	191
PEGASUS 67 2S	67,0	73,3	6	275
PEGASUS 77 2S	77,0	84,2	6	304
PEGASUS 87 2S	87,0	95,2	6	333
PEGASUS 97 2S	97,0	106,0	6	362
PEGASUS 107 2S	107,0	117,0	6	390
PEGASUS F3 N 119 2S	119,0	131,0	6	470
PEGASUS F3 N 136 2S	136,0	149,0	6	530
PEGASUS F3 N 153 2S	153,0	168,0	6	575
PEGASUS F3 N 170 2S	170,0	187,0	6	625
PEGASUS F3 N 187 2S	187,0	206,0	6	665
PEGASUS F3 N 221 2S	221,0	243,0	6	760
PEGASUS F3 N 255 2S	255,0	280,0	6	875
PEGASUS F3 N 289 2S	289,0	317,0	6	945

ATLAS

3 PASS-FLUES BOILER, FOR OIL OR GAS JET BURNER,
HEATING ONLY



ATLAS D 32÷95

3 PASS-FLUES BOILER, FOR OIL OR GAS JET BURNER,
HEATING ONLY



ATLAS D 25÷75

3 PASS-FLUES BOILER, FOR JET BURNER,
HEATING ONLY - ERP COMPLIANT



- High efficiency cast iron boiler body, featuring **3 pass** technology, insulated with high density rockwool
- **Silent** operation thanks to low flues turbulence
- Widely copes with requirements for **2 stars** efficiency according to directive 92/42 EEC, emended by Reg. 812/2013
- **Conic chimney stack**, in order to easily adapt to different tolerances of flue pipes diameters
- **Analogue** control panel with smart fume cover
- Control board includes thermometer, ignition switch, safety thermostat with manual reset and temperature setting knob
- Stylish steel jacket painted by anaphoresis with epoxy powder
- **Available** complete range of one and 2 stages **burners** to be easily fitted, both for gas or liquid fuel

Dimensions (WxHxD): 500x850x400÷800 mm

Model	Heat output	Heat input	Max operating pressure bar	Empty weight kg
	kW	kW		
ATLAS 32	32,0	34,9	6	127
ATLAS 47	47,0	51,6	6	166
ATLAS 62	62,0	67,7	6	205
ATLAS 78	78,0	85,6	6	244
ATLAS 95	95,0	103,2	6	283

- High performing **three-pass** cast iron boiler body, granting silent operation
- **3 stars** efficiency according to 92/42 EEC, emended by Reg. 812/2013
- Digital, single-view control panel suitable for connection to Opentherm **Remote control** and **outdoor probe**
- Evolved **digital** interface for settings and monitoring of temperatures, pressure and advanced features (economy, flow temperature compensation, troubleshooting)
- Self-diagnostic micro processor
- Central Heating **frost protection system**
- Built-in handling of a DHW tank
- Easy-to-maintain thanks to **hinged** combustion chamber **door**
- **Conic chimney stack**, in order to easily adapt to different tolerances of flue pipes diameters

Dimensions (WxHxD): 500x850x400÷800 mm

Model	Heat output	Heat input	Max operating pressure bar	Empty weight kg
	kW	kW		
ATLAS D 30	30,0	32,2	6	127
ATLAS D 42	42,0	45,0	6	166
ATLAS D 55	55,0	58,8	6	205
ATLAS D 70	70,0	74,7	6	244
ATLAS D 87	87,0	92,6	6	283

- High performing **three-pass** cast iron boiler body, granting silent operation
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- In EU shall be equipped with Ferrolì oil burner in the chart herebelow or alternatively with an oil burner with electric input ≤ 150 W (mod. 25-37) or ≤ 200 W (mod. 50÷75)
- Possible matching, outside EU, with an oil or gas burner
- Digital, single-view control panel suitable for connection to Opentherm **Remote control** and **outdoor probe**
- Central Heating **frost protection system**
- Built-in handling of a DHW tank, with legionella protection program
- Easy-to-maintain thanks to **hinged** combustion chamber **door**
- **Conic chimney stack**, in order to easily adapt to different tolerances of flue pipes diameters

Dimensions (WxHxD): 500x850x400÷800 mm

Model	Heat output	Heat input	Oil burner matching (in EU)	Seasonal efficiency η_s
	kW	kW		%
ATLAS D 25	25,0	28,3	SUN G6	86
ATLAS D 37	37,0	41,9	SUN G6	86
ATLAS D 50	50,0	56,6	SUN G10	86
ATLAS D 63	63,0	71,3	SUN G10	86
ATLAS D 75	75,0	84,6	SUN G10	86

ATLAS D UNIT

CAST IRON OIL BOILER, HEATING ONLY
ERP COMPLIANT



ATLAS D SI UNIT

CAST IRON OIL BOILER, INSTANT COMBI
ERP COMPLIANT



ATLAS D K UNIT

CAST IRON OIL BOILER, STORAGE COMBI
ERP COMPLIANT



- **3 pass** cast iron floor-standing boiler, with built-in oil jet burner, for central heating
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- Evolved **digital** interface for settings and monitoring of temperatures, pressure and advanced features (economy, flow temperature compensation, troubleshooting)
- Can manage a free-standing domestic hot water storage tank, handling also legionella protection
- Can operate using the **modulating remote control** (optional)
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- System **flow temperature compensation** based on outside probe reading (optional)
- Central heating **frost protection**

Dimensions (WxHxD): 500x850x830 mm

Model	Heat output	Heat input	Burner matching pressure bar	Seasonal efficiency η_s
	kW	kW		%
ATLAS D 25 UNIT	25,0	28,3	6	86
ATLAS D 37 UNIT	37,0	41,9	6	86
ATLAS D 50 UNIT	50,0	56,6	6	86

- High efficiency floor-standing boiler, with built-in oil jet burner
- **3 pass** cast iron boiler body, insulated by high density rockwool
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- For central heating and instantaneous domestic hot water production through **steel plate exchanger**
- Can operate using the **modulating remote control** (optional)
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- System **flow temperature compensation** based on outside probe reading (optional)
- Button controls and **LCD** interface
- Central heating **frost protection**

Dimensions (WxHxD): mod. 25: 500x850x632 mm - mod. 37: 500x850x732 mm

Model	Heat output	Heat input	Maximum DHW production Δt 25°C	Seasonal efficiency η_s
	kW	kW	l/min	%
ATLAS D 25 SI UNIT	25,0	28,3	14,3	86
ATLAS D 37 SI UNIT	37,0	41,9	21,2	86

- Floor-standing oil boiler for central heating and domestic hot water production
- High efficiency **three pass** fire cast iron boiler body
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- Built-in domestic hot water tank, made of **enamelled steel**
- Button controls and **LCD** interface
- Evolved digital interface for settings and monitoring of temperatures, pressure and advanced features (economy - comfort mode, legionella protection, troubleshooting ect)
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- Integrates SUN G oil burner inside the metal jacket
- Can operate using the **modulating remote control** (optional)
- System **flow temperature compensation** based on outside probe reading (optional)

Dimensions (WxHxD): mod. 25: 500x1343x750 mm - mod. 37: 500x1344x949 mm

Model	Heat output	Heat input	Maximum DHW production Δt 30°C	Seasonal efficiency η_s
	kW	kW	l/10 min	%
ATLAS D 25 K UNIT	25,0	28,3	190	86
ATLAS D 37 K UNIT	37,0	41,9	260	86

ATLAS D K

CAST IRON BOILER, FOR OIL OR GAS JET BURNER.
INCLUDING ENAMELLED DOMESTIC HOT WATER STORAGE TANK



GN2 N

CAST-IRON BOILER, SUITABLE FOR INSTALLATION
OF AN OIL OR GAS JET BURNER



* In European community can be sold only as a replacement of an identical model

GN4 N

CAST-IRON 3 PASS-FLUES BOILER,
SUITABLE FOR INSTALLATION OF AN OIL OR GAS JET BURNER



* For GN4 N 07÷10, in European community can be sold only as a replacement of an identical model

- High performing **three-pass** cast iron section
- **3 stars** efficiency according to 92/42 EEC, emended by Reg. 812/2013
- Digital control panel suitable for connection to Opentherm **remote control** and **outdoor probe**
- Evolved **digital** interface for settings and monitoring of CH-DHW temperatures and advanced features (economy, flow temperature compensation, troubleshooting)
- Self-diagnostic micro processor
- Central Heating **frost protection system**
- **Conic chimney stack**, in order to easily adapt to different tolerances of flue pipes diameters
- High domestic hot water production
- **100 or 130 ltrs** enamelled domestic hot water **storage** with recirculation connection

Dimensions (WxHxD): Mod. 30: 500x1445x750 - **Mod. 42:** 500x1350x950 mm

Model	Heat output	Heat input	DHW flow-rate Δt 30°C l/10 min.	Empty weight
	kW	kW		kg
ATLAS D 30 K 100	30,0	32,2	220	219
ATLAS D 42 K 130	42,0	45,0	250	250

- High efficiency floor-standing heat generator fitted for jet burners on liquid and/or gas fuel, with **partial flame reversal** and one flue pass, cooled combustion chamber, for the production of hot water for central heating
- Supplied in **three boxes**:
 - 1) boiler body in a wooden crate
 - 2) jacket packaged in a cardboard box
 - 3) instrument panel packaged in a cardboard box
- **Fitted for two-stage burners**

Dimensions (WxHxD): 600x1196x757÷1637 mm

Model	Heat output	Heat input	Max operating pressure bar	Boiler body weight
	kW	kW		kg
GN2 N 06	107	116,0	6	361
GN2 N 07	126	136,9	6	412
GN2 N 08	144	156,5	6	463
GN2 N 09	162	176,0	6	514
GN2 N 10	180	195,6	6	565
GN2 N 11	198	215,2	6	616
GN2 N 12	216	234,7	6	670
GN2 N 13	234	254,3	6	725
GN2 N 14	252	273,9	6	780

- High efficiency heat generator for liquid or gas fuel, **three flue passes**, cooled combustion chamber, for the production of hot water for central heating, suitable for operation either connected to a **traditional system** or connected to a **low temperature heating system**, with a minimum return temperature of 35°C
- G20 cast-iron boiler body made of sections to be assembled when installing the generator in the boiler room
- **Fitted for two-stage burners**

Dimensions (WxHxD): 850x1193x1040÷1950 mm

Model	Heat output	Heat input	Max operating pressure bar	Boiler body weight
	kW	kW		kg
GN4 N 07	200	217	6	940
GN4 N 08	250	270	6	1050
GN4 N 09	300	324	6	1170
GN4 N 10	360	388	6	1270
GN4 N 11	420	452	6	1400
GN4 N 12	480	516	6	1510
GN4 N 13	560	600	6	1630
GN4 N 14	650	695	6	1740

SFL

CAST IRON SOLID FUEL BOILER,
HEATING ONLY



SUN P

JET PELLET BURNER



**DOUBLE DOOR SYSTEM FOR QUICKEST FUEL
CONVERSION! (wood to pellet and viceversa)**



- Cast-iron boiler, **wood** or **coke** fired as a standard, or can be converted to **pellet** operation through a suitable kit
- Pellet conversion kit can be chosen for **pellet only permanent operation** (single door) or for **reversible pellet operation** (double door)
- Generous combustion chamber and large loading door, with front access
- **Adjustable smokes deflector** on back flues outlet
- Stainless steel ash tray with easy front access
- **Thermostatic regulator** supplied as a standard, in order to control flow temperature and combustion quality as well as consumptions
- Available as an option a safety overtemperature kit in case boiler's temperature reaches 95°C

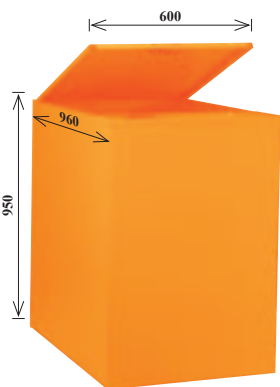
Dimensions (WxHxD): 520x940x423-863 mm

Model	Heat output (wood) kW	Heat output (coke) kW	Heat output (pellet) kW	Pellet burner matching
SFL 3	19	22,5	22	SUN P 7
SFL 4	27	32,5	30	SUN P 7
SFL 5	36	42,5	36	SUN P 12
SFL 6	43	52,5	42	SUN P 12
SFL 7	50	62,5	48	SUN P 12

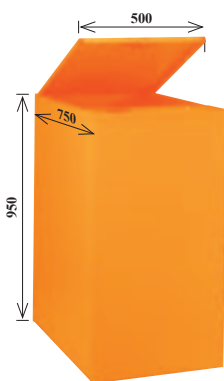
- Burner supplied with pellet feed system, complete with motor and feeding screw
- Output modulation in **5 steps**
- Burner first ignition through **electric heater**
- Electronic board with **display** interface allows full operation setting and customisation to the installer (fan's head, screw activation - pellet loading)
- Weekly **timer**
- Heat request through timer and/or room thermostat
- Flue gas return **safety thermostat** set to 85°C
- Can be combined with a **storage box** (optional), available in the same colour of the boiler in two capacities (195 or 350 lts)

Model	Heat input kW	Pellet flow-rate kW	Power voltage/frequency V/Hz	Empty weight kg
SUN P7	34,1	7,2	230/50	11
SUN P12	55,0	11,6	230/50	13,5

PELLET STORAGE BOX



Pellet container
350 lts - about 280 kgs



Pellet container
195 lts - about 180 kgs

PREXTHERM RSW

PRESSURISED STEEL BOILER

QUADRA VERSION
92 ÷ 1890



TONDA VERSION
2360 ÷ 6000



* For models 92÷399,
in european community can be
sold only as a replacement of an
identical model

*



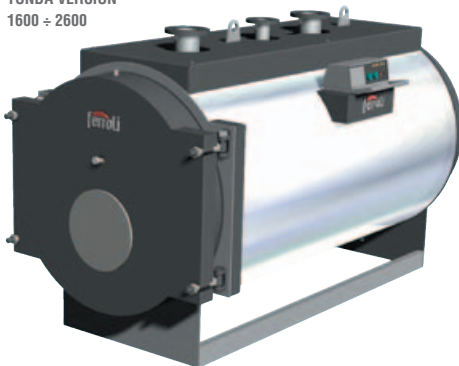
PREXTHERM RSH

HIGH EFFICIENCY PRESSURISED STEEL BOILER

QUADRA VERSION
80 ÷ 1300



TONDA VERSION
1600 ÷ 2600



* For models 80÷350,
in european community can be
sold only as a replacement of an
identical model

*



- Pressurised steel boiler, fit for installation of a jet burner, operating with gas or liquid fuel
- **Reverse flame** boiler body, fully insulated with a 80 mm thick layer of glass wool
- Front door with double layer of insulation and **reversible opening** (right and left) and door centering in a unique mechanism
- Carefully designed with a system optimising fluid circulation inside the boiler, thus improving thermal exchange and minimising stress on the materials
- Prextherm RSW is supplied either with a **thermostatic control panel** or with an **evolved version**, featuring EBM system (Efficient Boiler Management), i.e. an electronic controller which offers a customisable management of the boiler and circuit

Model	Heat output	Heat input	Max operating pressure	Empty weight	Width	Height	Depth
	kW	kW	bar	kg	mm	mm	mm
92	92	99,5	6	260	760	925	1046
107	107	116,0	6	350	760	925	1046
152	152	165,0	6	440	810	980	1296
190	190	206,0	6	480	810	980	1296
240	240	261,0	6	550	810	980	1516
300	300	326,0	6	590	950	1100	1546
350	350	378,0	6	860	950	1100	1816
399	399	432,0	6	970	950	1100	1816
525	525	567,0	6	1250	1060	1250	1838
600	600	648,0	6	1420	1060	1250	2098
720	720	777,0	6	1420	1260	1400	2158
820	820	881,0	6	1580	1260	1400	2158
940	940	1011,0	6	2650	1260	1400	2398
1060	1060	1140,0	6	2650	1450	1580	2420
1250	1250	1359,0	6	2850	1450	1580	2420
1480	1480	1608,0	6	2850	1530	1730	2722
1600	1600	1736,0	6	2850	1530	1730	2722
1890	1890	2054,0	6	2850	1530	1730	2722
2360	2360	2565,0	6	3900	1610	1950	3232
3000	3000	3250,0	6	5300	1800	2140	3446
3600	3600	3900,0	6	5800	1800	2140	3816
4000	4000	4334,0	6	7500	1980	2325	4086
4500	4500	4868,0	6	8000	1980	2325	4436
5000	5000	5407,0	6	9600	2180	2525	4458
6000	6000	6483,0	6	11500	2180	2525	4958

- **Reverse flame** boiler body, fully insulated with a 80 mm thick layer of glass wool
- High efficiency. Ranges between 94% and 96% on LCV (t_{avg} 70°C)
- Combustion chamber is completely cooled, even in the back side
- Front door with double layer of insulation and **reversible opening** (right and left)
- The flue pipes protrudes from the rear plate by a few millimetres in order to increase the temperature near the welding and prevents the formation of condensate
- Prextherm RSH is supplied either with a **thermostatic control panel** or with an **evolved version**, featuring EBM system (Efficient Boiler Management), i.e. an electronic controller which offers a customisable management of the boiler and circuit

Model	Heat output	Heat input	Max operating pressure	Empty weight	Width	Height	Depth
	kW	kW	bar	kg	mm	mm	mm
80	92	97,7	6	260	760	925	1046
90	107	113,5	6	350	810	925	1046
130	152	160,8	6	350	810	980	1516
160	190	200,2	6	440	950	1100	1546
200	240	252,6	6	480	950	1100	1816
250	320	336,4	6	550	950	1100	1817
350	399	418,4	6	860	1060	1250	1838
450	500	523,5	6	970	1060	1250	2098
500	600	627,6	6	1250	1260	1400	2158
600	720	753,6	6	1250	1450	1400	2398
700	820	859,1	6	1420	1450	1400	2398
800	940	982,9	6	1580	1450	1580	2420
900	1060	1107,6	6	2250	1530	1730	2722
1100	1250	1304,2	6	2650	1530	1730	2722
1300	1480	1545,2	6	2850	1530	1730	2722
1600	1845	1930,0	6	3900	1610	1950	3232
2000	2360	2464,7	6	5300	1800	2140	3446
2600	3000	3128,8	6	5800	1800	2140	3816

PREXTHERM RS3

3-PASS FLUES STEEL BOILER



* For models 70-399, in european community can be sold only as a replacement of an identical model

*



THERMO EBM

CONTROL PANELS FOR PREXTHERM RANGE



EVOLVED ELECTRONIC CONTROL BOARD



THERMOSTATIC CONTROL BOARD

- Monobloc generator, **3-pass flues, small thermal load**, vertical layout and extremely compact front dimensions. Homologated for systems until 100°C
- Ready for coupling with jet burners, operating with gas or oil and with low polluting emissions
- Large combustion chamber with **floating cooled back**
- Flues bundle for second and third flue-pass is situated in the top side of the combustion chamber. Flues tubes protrude from the plate, in order to **avoid condensation**
- **Steel turbolators**, increasing thermal efficiency of the generator. They have been carefully designed not to worsen flues pressure drop
- **High efficiency**. Ranges between 94,7% and 96,3% on LCV (t_{avg} 70°C)
- Vertical connection are threaded until model 240 and flanged until model 600
- Completely insulated front door and **reversible opening** (right and left), thanks to an innovating mechanism on boiler body, with micrometric adjustment. Equipped with flame inspection hole and test point for combustion chamber back pressure
- To be completed with thermostatic control panel or with evolved electronic control board

Model	Heat output kW	Heat input kW	Max operating pressure bar	Empty weight kg	Width mm	Height mm	Depth mm
70	70	73,9	6	236	670	1185	1130
92	92	97,1	6	236	670	1185	1130
107	107	112,9	6	332	670	1185	1555
152	152	160,5	6	332	670	1185	1555
190	190	200,8	6	460	760	1340	1570
240	240	252,9	6	524	760	1340	1770
320	320	335,7	6	833	820	1525	1990
399	399	417,4	6	833	820	1525	1990
500	500	522,8	6	1146	850	1615	2390
600	600	627,2	6	1146	850	1615	2390

EVOLVED ELECTRONIC CONTROL BOARD

- **Outdoor temperature compensation**
- Manages as a standard **2 CH mixed zones, with possible third direct zone**
- **Daily or weekly central heating and DHW program**
- **Cascade** management via bus
- Generator and system protection functions
- Relays and probe connection settable for several functions (solar, external heat source, cooling, 0/10 V, various system devices, modulating pump, modulating burner, alarm output, ect)
- Possible installation of additional modules to multiply simultaneous functions management

THERMOSTATIC CONTROL BOARD

- Suitable for single or two stages burners
- **Display** interface and LED diagnostic
- Pre-set for integration of an electronic controller

Panel is equipped with:

- | | |
|-----------------------------------|---|
| 1 Pump ON switch | 8 1st stage burner LED |
| 2 Burner ON switch | 9 2nd stage burner LED |
| 3 Boiler ON switch | 10 Burner lockout LED |
| 4 Test button | 11 Safety pressure switch LED |
| 5 Safety button with manual reset | 12 2nd stage control thermostat TR1 |
| 6 Boiler water temperature | 13 1st stage control thermostat TR1 |
| 7 Boiler ON LED | 14 Housing for optional temperature controller (not supplied) |

SUN G

LIGHT OIL BURNERS,
WITH ONE OR TWO-STAGE OPERATION



* in european community can be
sold only as a replacement of an
identical model
(models from G3 to G30)



SUN M

GAS JET BURNERS WITH SINGLE-STAGE
OR PROGRESSIVE TWO-STAGE OPERATION



OPTIONAL



Modulating Kit

* in european community can be
sold only as a replacement of an
identical model
(models from M3 to M30)



- Model **G3 R** and **G6 R** are equipped with oil **pre-heater** in the fuel adduction line
- Fine adjustment of position of the combustion head through a **micrometric** screw
- End cone **resistant** to corrosion and high temperatures
- Precise adjustment of air intake
- Geared pump with built-in pressure regulator and by-pass valve
- **Front connection** for pressure gauge and vacuumeter on the pump
- Single phase motor for pump and fan feeding
- **Microprocessor**-based burner control box
- Air damper with gravity closing in off mode
- Compact cover with **soundproof** inner lining and housing for reset button

Single-stage dimensions (WxHxD):

G3-G3R/G6-G6R: 250x286x276 mm - **G10:** 263x296x408 mm - **G20 1S:** 407x451,5x518 mm

Two-stage dimensions (WxHxD):

G10 2S: 263x296x408 mm - **G20-30:** 407x414x518 mm - **G50-70:** 480x513x582 mm

Single-stage model	Power		Flow-rate	
	min kW	max kW	min kg/h	max kg/h
SUN G3	21,3	36,0	1,8	3,0
SUN G3 R	13,3	36,0	1,12	3,0
SUN G6	21,3	58,1	1,8	4,9
SUN G6 R	13,3	58,1	1,12	4,9
SUN G10	47,5	134,0	4,0	11,3
SUN G20 1S	118,6	237,2	10,0	20,0

Two-stage model	Power		Flow-rate	
	min 1st stage kW	max 2nd stage kW	min 1st stage kg/h	max 2nd stage kg/h
SUN G10 2S	47,5	118,6	4,0	10
SUN G20	95,0	237,2	8,0	20
SUN G30	112,7	355,8	9,5	30
SUN G50	189,8	711,6	16,0	60
SUN G70	260,9	948,8	22,0	80

- Gas jet burners with **single-stage** operation, or **progressive two-stage**
- 2 stages burners can be upgraded to **modulating** operation using the **optional** modulating kit or as default on Prextherm with EBM control panel
- Extremely compact **aluminium burner body**, closed by cover with soundproof inner lining and housing for reset button
- Combustion head fit for operation both on **natural gas** or **LPG** with no need of an additional conversion kit
- Model M3 and M6 with built-in gas train. On bigger models **gas train can be chosen** according to gas type and adduction pressure
- **External adjustment** of the combustion head
- **Microprocessor** control equipment

Single-stage dimensions (WxHxD):

M3-M6: 250x344x266 mm - **M10:** 263x354x407 mm

Two-stage dimensions (WxHxD):

M20-30: 407x414x602 mm - **M50-70:** 480x513x708 mm

Single-stage model	Min power kW	Max power kW	Power input W
SUN M3	15	45	160
SUN M6	30	60	160
SUN M10	50	120	200

Progressive two-stage model	Power		
	min 1st stage kW	min 2nd stage kW	max 2nd stage kW
SUN M20	85	134	271
SUN M30	106	150	364
SUN M50	150	255	640
SUN M70	295	435	875

WATER HEATERS

INSTANTANEOUS GAS WATER HEATERS

ZEFIRO	46
SKY C "B"	46
SKY F	46




ELECTRIC WATER HEATERS

TITANO BF	48
TITANO	48
CALYPSO	48
CALYPSO ECO	50
CALYPSO MT	50
TITANO GREEN ST	50
CUBO	52
BRAVO	52
NOVO	52

ZEFIRO

WALL-HUNG INSTANTANEOUS GAS WATER HEATER,
OPEN FLUE, ELECTRONIC IGNITION



	C5	C 11/14
DHW profile	XS	M
		



SKY C "B"

WALL-HUNG INSTANTANEOUS GAS WATER HEATER,
OPEN FLUE, BATTERY IGNITION



SKY F

WALL-HUNG INSTANTANEOUS GAS WATER HEATER,
ROOM SEALED, ELECTRONIC IGNITION



- Power and temperature selector
- Flue gas evacuation control device
- Electronic ignition with flame detection by **ionisation**
- Electronic, **battery** powered, ignition
- **Modulating** gas valve, activation upon double signal
- Output regulation from 40% to 100%
- SOFT START device for **progressive and silent ignition**
- Extremely easy installation and maintenance
- Safety device for protection against insufficient water
- Certified also for operation with **butane** (G30) or **LPG** (G31)

Dimensions (WxHxD):

Mod. C5: 280x455x130 - **Mod. C11:** 328x550x130 mm - **Mod. C14:** 400x650x181 mm

Model	Heat output max kW	Heat input max kW	Maximum DHW production Δt 25°C l/min	Empty weight kg
ZEFIRO C5	8,9	10,1	5,1	4,8
ZEFIRO C11	18,9	21,1	10,8	9
ZEFIRO C14	23,8	26,8	13,7	13

- Compact heat exchanger made completely of copper, protected by an atoxic aluminium coating, inside a cooled combustion chamber
- **Graphic display** indicating temperature, battery charge level, burner status
- Double knob for **output selection and temperature setting**
- Burner in stainless steel, specially shaped for silent operation
- Wide range of temperature regulation
- Very **compact** dimensions
- Ready for domestic hot water production **in combination with solar collectors systems**
- **Operated by 2 X 1,5V, type «A» batteries**, located in a box easily accessible from the bottom of the water heater
- Certified also for operation with **butane** (G30) or **LPG** (G31)

Dimensions (WxHxD): **Mod. C11:** 295x595x195 - **Mod. C14:** 335x595x195 mm

Model	Heat output max kW	Heat input max kW	Maximum DHW production Δt 25°C l/min	Empty weight kg
SKY C 11 B	19,2	21,7	11	11
SKY C 14 B	23,9	26,9	14	12

- Compact heat exchanger made completely of copper
- **Evolved Combustion System:** electronic monitoring of combustion quality, which ensures the best operation depending on the different thermal load and chimney draught
- Steplessly output **modulation** from 36% to 100%
- Simple and intuitive **LCD** interface
- **Ready for connection to solar systems:** can operate in combination with domestic hot water pre-heating systems
- Very **compact** dimensions
- 230V power supply
- Certified also for operation with **butane** (G30) or **LPG** (G31)

Dimensions (WxHxD):

Mod. F11: 295x595x195 - **Mod. F14:** 335x595x250 mm - **Mod. F17:** 375x595x290 mm

Model	Heat output max kW	Heat input max kW	Maximum DHW production Δt 25°C l/min	Empty weight kg
SKY F 11	19,2	21,7	11	13
SKY F 14	23,9	26,9	13,0	14
SKY F 17	29,2	32,9	16,8	17

TITANO BF

MID CAPACITY



BLUEFOREVER
ELEMENT



TITANO

MID CAPACITY



CALYPSO

MID CAPACITY



COPPER ELEMENT



- Ultra-performing "**Blue Forever**" element featuring a special surface treatment that eliminates almost all deposits
- Available in the **vertical** (mod. **VE**) or **horizontal** (mod. **HO**) execution
- Temperature control by mechanical thermostat
- High-concentration magnesium anode to protect the tank
- **Five bolt flange** to ensure sturdiness and easy periodical maintenance
- Unbreakable thermometer in ABS
- On/off light
- Pressure relief valve set to 8 bars
- Manual outside **temperature adjustment** (vertical model)

Model	Tank capacity l	Power input W	Heating time ΔT 45°C	ErP Class	DHW tapping profile
TITANO 50 VE BF	50	1500	1h - 51'	D	M
TITANO 80 VE BF	80	1500	2h - 58'	D	M
TITANO 100 VE BF	100	1500	3h - 42'	D	L
TITANO 120 VE BF	120	1500	4h - 27'	D	XL
TITANO 150 VE BF	150	1500	5h - 24'	D	XL
TITANO 50 HO BF	50	1500	1h - 51'	D	M
TITANO 80 HO BF	80	1500	2h - 58'	D	M
TITANO 100 HO BF	100	1500	3h - 42'	D	L
TITANO 120 HO BF	120	1500	4h - 27'	D	L
TITANO 150 HO BF	150	1500	5h - 34'	D	XL

- Heating element in copper
- Available in the **vertical** (mod. **VE**) or **horizontal** (mod. **HO**) execution
- Temperature control by mechanical thermostat
- High-concentration magnesium anode to protect the tank
- **Five bolt flange** to ensure sturdiness and easy periodical maintenance
- Unbreakable thermometer in ABS
- On/off light
- Pressure relief valve set to 8 bars
- Manual outside **temperature adjustment** (vertical model)

Model	Tank capacity l	Power input W	Heating time ΔT 45°C	ErP Class	DHW tapping profile
TITANO 50 VE	50	1500	1h - 51'	D	M
TITANO 80 VE	80	1500	2h - 58'	D	M
TITANO 100 VE	100	1500	3h - 42'	D	L
TITANO 120 VE	120	1500	4h - 27'	D	XL
TITANO 150 VE	150	1500	5h - 34'	D	XL
TITANO 50 HO	50	1500	1h - 51'	D	M
TITANO 80 HO	80	1500	2h - 58'	D	M
TITANO 100 HO	100	1500	3h - 42'	D	L
TITANO 120 HO	120	1500	4h - 27'	D	L
TITANO 150 HO	150	1500	5h - 34'	D	XL

- **Five bolt flange** of wide diameter, to ensure sturdiness and easy periodical maintenance
- Available in the **vertical** (mod. **VE**) or **horizontal** (mod. **HO**) execution
- Various models with capacity from 50 to 150 litres, both vertical and horizontal
- Electric heating element in **copper**, assembled on the flange
- Temperature control through mechanical thermostat with probe
- Magnesium anode to protect the tank
- Temperature level indicator
- On/off light indicator
- Pressure relief valve set to 8 bar
- Manual external **temperature adjustment** (vertical model)

Model	Tank capacity l	Power input W	Heating time ΔT 45°C	ErP Class	DHW tapping profile
CALYPSO 50 VE	50	1500	1h - 51'	D	M
CALYPSO 80 VE	80	1500	2h - 58'	D	M
CALYPSO 100 VE	100	1500	3h - 42'	D	L
CALYPSO 120 VE	120	1500	4h - 27'	D	XL
CALYPSO 150 VE	150	1500	5h - 34'	D	XL
CALYPSO 50 HO	50	1500	1h - 51'	D	M
CALYPSO 80 HO	80	1500	2h - 58'	D	M
CALYPSO 100 HO	100	1500	3h - 42'	D	L
CALYPSO 120 HO	120	1500	4h - 27'	D	L
CALYPSO 150 HO	150	1500	5h - 34'	D	XL

CALYPSO ECO

MID CAPACITY



CALYPSO MT

MID CAPACITY WITH AUXILIARY COIL



TITANO GREEN ST

MID CAPACITY - ENERGY SAVER



STEATITE ELEMENT



- Electric heating element in **stainless steel**
- The element is **screw-fixed** together with the magnesium anode, to the tank
- Available in the **vertical (mod. VE) or horizontal (mod. HO) execution**
- Various models with capacity from 50 to 150 litres, both vertical and horizontal
- Container internally enameled with Titanium Bluesilicon process
- Temperature level indicator
- On/off light indicator
- Pressure relief valve set to 8 bar

Model	Tank capacity l	Power input W	Heating time $\Delta T 45^{\circ}C$	ErP Class	DHW tapping profile
CALYPSO ECO 50 VE	50	1500	1h - 51'	D	M
CALYPSO ECO 80 VE	80	1500	2h - 58'	D	M
CALYPSO ECO 100 VE	100	1500	3h - 42'	D	L
CALYPSO ECO 120 VE	120	1500	4h - 27'	D	XL
CALYPSO ECO 150 VE	150	1500	5h - 34'	D	XL
CALYPSO ECO 50 HO	50	1500	1h - 51'	D	M
CALYPSO ECO 80 HO	80	1500	2h - 58'	D	M
CALYPSO ECO 100 HO	100	1500	3h - 42'	D	L
CALYPSO ECO 120 HO	120	1500	4h - 27'	D	L
CALYPSO ECO 150 HO	150	1500	5h - 34'	D	XL

- **Multi-energy** water heater: includes a **copper** electric heating element and **coil** for indirect heating from a external source
- Electric or auxiliary heating can operate individually or simultaneously
- Horizontal execution or vertical one, the latter available with 2 or 6 coils exchanger
- High-concentration magnesium anode to protect the tank
- **Five bolt flange to ensure sturdiness and easy periodical maintenance**
- Pressure relief valve set to 8 bar
- Manual outside temperature adjustment (vertical model)
- Hydraulic connections for auxiliary heating can be on the right on left side of the appliance
- Combined heating system through electric heater and auxiliary coil represent the quickest solution to heat DHW
- Mixed water heater is a flexible solution, which permits the user to choose, in **winter period, between quick combined operation, or economic mode exploiting only the auxiliary coil, fed by an external heating source**

Model	Power input W	Heating time $\Delta T 45^{\circ}C$			ErP class	DHW tapping profile
		electric	2 coils exchanger	6 coils exchanger*		
CALYPSO 80 MT	1500	2h 18'	59'	21'	D	M
CALYPSO 100 MT	1500	2h 53'	1h 14'	26'	D	L
CALYPSO 120 MT	1500	3h 28'	1h 29'	31'	D	XL
CALYPSO 150 MT	1500	4h 19'	2h 10'	39'	D	XL

* 6 coils exchanger not available in horizontal execution

- Electric water heater with enhanced insulation, 33 mm thick in water-based polyol polyurethane foam
- Steatite heating element in natural stone, **working dry, which implies complete protection from galvanic tensions and scaling on the heating element itself**
- The steatite element is protected by a porcelain sheath, enameled with Bluesilicon scale-resistant process
- The element can be easily removed **without draining the water heater**
- **5 bolt flange to ensure sturdiness and easy periodical maintenance**

Model	Tank capacity l	Power input W	Heating time $\Delta T 45^{\circ}C$	Weight kg
TITANO GREEN 50 ST VE	50	1200	1h - 44'	20
TITANO GREEN 80 ST VE	80	1200	2h - 46'	27
TITANO GREEN 100 ST VE	100	1500	3h - 27'	31,5
TITANO GREEN 80 ST HO	80	1200	2h - 46'	27
TITANO GREEN 100 ST HO	100	1500	3h - 27'	31,5

CUBO

SMALL CAPACITY



BRAVO

SMALL CAPACITY



NOVO

SMALL CAPACITY



- Ultra strong ABS termoplastic jacket
- Healthy **Blue silicon** inner enamelling
- External temperature setting with power indicator led
- Capillary thermostat for accurate temperature control
- Particularly suitable for installation where limited space is available
- Available for **over sink** or **under sink** (mod. **S**) installation

Model	Tank capacity l	Power input W	Heating time ΔT 45°C	ErP Class	DHW tapping profile
CUBO SG 10	10	1500	22'	B	XXS
CUBO SG 10S*	10	1500	22'	C	XXS
CUBO SG 15	15	1500	33'	B	XXS
CUBO SG 15S*	15	1500	33'	C	XXS
CUBO SG 30	30	1500	1h 07'	D	S

* under the sink

- Ultra strong polipropylene jacket
- Healthy **Blue silicon** inner enamelling
- External temperature setting with power indicator led
- Capillary thermostat for accurate temperature control
- Available for **over sink** or **under sink** (mod. **S**) installation

Model	Tank capacity l	Power input W	Heating time ΔT 45°C	ErP Class	DHW tapping profile
BRAVO SN 10	10	1500	22'	B	XXS
BRAVO SN 10S*	10	1500	22'	C	XXS
BRAVO SN 15	15	1500	33'	B	XXS
BRAVO SN 15S*	15	1500	33'	C	XXS
BRAVO SN 30	30	1500	1h 07'	D	S

* under the sink

- Ultra strong plastic jacket
- Healthy **Blue silicon** Coating
- Power indicator led
- **5 bolt flange** to ensure sturdiness and easy periodical maintenance
- Can be installed in a cabinet or in other hidden place, thank to its particular shape
- Stainless steel heating element
- Temperature setting knob, operating through capillary thermostat for precise temperature setting
- Available for **over sink** (mod. **O**) or **under sink** (mod. **U**) installation

Model	Tank capacity l	Power input W	Heating time ΔT 45°C	ErP Class	DHW tapping profile
NOVO 5	5	2000	8'	B	XXS
NOVO 5S*	5	2000	8'	B	XXS
NOVO 10	10	2000	17'	B	XXS
NOVO 10S*	10	2000	17'	B	XXS

* under the sink

SYSTEM ACCESSORIES

CONTROLLERS

BASIC / EVOLVED 56

VERTICAL STORAGE CYLINDERS

ECOUNT F 58

ROMEO

MODULATING REMOTE CONTROL



ROMEO W: weekly

BRIDGE



receveir for wireless version



OSCAR

ON-OFF PROGRAMMABLE THERMOSTAT



OSCAR W: weekly

BRIDGE




receveir for wireless version

BASIC CASCADE BOARD

BASIC CASCADE SEQUENCER FOR ON-OFF BOILERS



-
- **Weekly** programming, max 6 periods a day
 - Permits complete control of boiler's status and functions remotely, thanks to **Opentherm** communication protocol
 - Permits **modulation of flow temperature** as room temperature approaches to setpoint, thus avoiding annoying temperature fluctuation in the room
 - Boiler **remote restart** in case of a temporary shutdown
 - **Holiday function**, settable from 1 hour to 45 days
 - **Phone contact input**, for remote boiler switch on/off
 - **Model RF** features **wireless** transmission from/to boiler's control board
 - Display of outside temperature and possibility of a customised **CH flow temperature compensation** according to outside climatic conditions, using outdoor probe (optional)
 - Service reserved menu, for setting of boiler's parameters by the technician
 - : **Romeo** and **outdoor probe**, combined with a **Ferrolli boiler** with seasonal efficiency $\eta_s > 94\%$, constitutes a system marked with **A+ energy label** in heating operation

-
- **Weekly** programming, max 6 periods a day
 - Preset standard program, which can be completely customised
 - Manual mode available
 - Relay with voltage-free contact (24 to 230 V)
 - Operated by 2xAA type batteries
 - Extra functions for all models: **pump anti-seize, pre-heating, holiday, week-end, party**
 - Phone contact input, for remote boiler switch on/off
 - Model **RF** features **wireless** transmission to boiler's control board

-
- Can manage **up to four boilers in cascade**
 - The signal to ignite the individual modules is given through the room thermostat contact on each boiler (ON/OFF)
 - Can manage **up to two heating zones** with system **flow temperature compensation**, one direct and one mixed
 - In addition to the two central heating zones, can manage a domestic hot water storage tank with coil
 - Suitable with systems with or without hydraulic separator
 - Complete with CH system probes, outdoor probe, pre-wired electrical panel

CASCADE CONTROLLER

EVOLVED CASCADE AND SYSTEM CONTROLLER



FZ4 ZONING CONTROLLER

FOR DIRECT OR MIXED ZONES, TO BE USED WITH ON-OFF OR OPENTHERM PROTOCOL



ECOUNT F

INDIRECT CYLINDER - WITH SINGLE OR DOUBLE COIL



model	100/150	200-500
ErP Class	C	D



- Can control a **modular installation up to 5 boilers** connected together, and a domestic hot water tank
- Possible connection to another cascade controller for management of more than 5 boilers
- Switch on of each generator is controlled by direct communication bus
- Power of each boiler managed directly by the cascade controller, according to thermal load required in the system
- **Complete configuration** of cascade operation (sequence, turnover, ignition method, statistics..)
- Central heating and domestic hot water planning
- Flow temperature to the heating system can be adjusted through outdoor probe reading
- Other contacts: **0/10 Vdc** input for remote control of cascade outputflow temperature, **PC/modem, alarm warning**
- Extra functions: night reduction, holiday
- Kit composed of electronic controller, outdoor probe and one system flow sensor

- Zoning controller for **maximum 3 zone circuits and a DHW tank**. At least one of the zones requires a remote control for room temperature control and programming, the other zones can be supported by on-off thermostats / timers
- **Max 2 zones** - out of the 3 managed - **can be mixed**
- Can control both zone pumps or zone valves with antiseize program
- Circuit flow temperature and compensation curve can be **different for each zone**
- Includes post-circulation function
- Can be connected to boiler **through room thermostat** voltage free contact or using **Opentherm** protocol
- Alphanumeric display
- Autoconfiguration procedure for 28 system schemes
- Diagnostics of all inputs and outputs through leds
- System strategy completely customisable by technician through parameters
- Legionella protection program for DHW tank

- Indirect cylinder for domestic hot water preparation through single/double coil
- **Model 1C** is equipped with a **single, extended coil**, widely covering necessary part of the container to be heated
- **Model 2C** includes **two coils**, for connection to multiple heat sources
- Container in carbon steel, enamelled with Bluesilicon highly hygienic process
- Equipped with a 1,5 kW backup electric heating element (15°C-75°C adjustable)
- Generous insulating layer, 50 mm, on whole surface of the container
- Connection for recirculation
- Magnesium anode lodged in a very large flange

Dimensions (ØxH): mod. 100: 500x978 mm - **mod. 150:** 500x1325 mm - **mod. 200:** 540x1453 mm
mod. 300: 620x1535 mm - **mod. 400:** 750x1469 mm - **mod. 500:** 750x1769 mm

Model	Total capacity litres	Top/bottom exch. Surface m ²	Output (ΔT 35°C) kW	DHW production (ΔT 35°C) l/h.	Heat loss kWh/24h
ECOUNT F 100 1C	100	0,74	18,5	450	1,6
ECOUNT F 150 1C	150	1,25	31,25	790	1,8
ECOUNT F 200 1C	200	1,4	35	860	2,2
ECOUNT F 300 1C	300	1,83	45,75	1120	2,7
ECOUNT F 400 1C	400	2,37	59,25	1440	2,9
ECOUNT F 500 1C	500	3,39	84,75	2060	3,5
ECOUNT F 200 2C	200	0,5/0,83	12,5/20,75	306/510	2,2
ECOUNT F 300 2C	300	0,72/1	18/25	444/618	2,7
ECOUNT F 400 2C	400	1,19/1,52	29,6/38,1	726/936	2,9
ECOUNT F 500 2C	500	1,19/2,2	29,6/55	726/1350	3,5

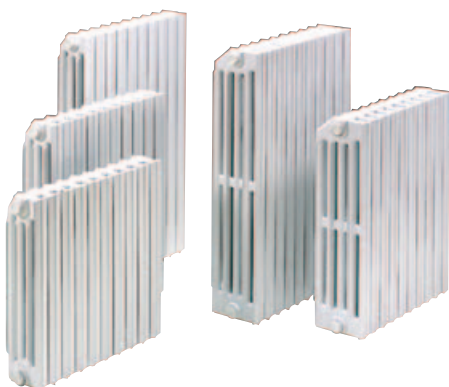
RADIATORS

RADIATORS

TAHITI - TAHITI PLUS	62
XIAN	62
PROTEO	62
PROTEO HP	64
EUROPA C	64
FERROLI STEEL PANEL RADIATOR	64

TAHITI - TAHITI PLUS

CAST IRON RADIATORS



XIAN

DIE-CAST IRON RADIATORS



PROTEO

HIGH-PERFORMANCE DIE-CAST IRON RADIATORS



- Tahiti are supplied in assembled blocks of 10 sections and are painted with basic coating
- Tahiti Plus are supplied in customised blocks (max 15 sections), featuring - besides basic coating - finish paint in RAL 9010 white colour



Section dimensions (WxD): 60x(67÷96,5÷130,5÷181,0) mm

Model	Heat output Δt 50°C Watt x elem.	Width between fittings mm	Model	Heat output Δt 50°C Watt x elem.	Width between fittings mm
2/562	58,7	500	3/875	114,6	813
2/685	71,2	623	4/562	99,7	500
2/875	90,3	813	4/685	116,1	623
3/402	60,7	340	4/875	142,7	813
3/562	77,4	500	5/685	147,5	623
3/685	92,3	623	5/875	182,9	813

- Die-cast aluminium radiator with 2 front convective fins
- Elegant design of the rounded top head. Besides aesthetic appearance of the rounded edge and along with the gradual curve of the convective fins allow a uniform distribution of warmed air, without turbulences and air flows towards the wall
- 6 bar as maximum operating pressure
- Blocks are assembled in factory in units from 2 to 12 sections
- Sections are assembled each other in the factory via an inorganic elastic joint, with unbeatable resistance to high temperature and pressures, dilatations, circuit additives, chemical gaseous reactions in the heating system. This results in the maximum watertightness of the radiator itself.



Model	Heat output Δt 50°C Watt x elem.	Exponent n	Constant K_m	Height mm
XIAN 450 N	90,8	1,30483	0,5508	431
XIAN 600 N	122,9	1,31423	0,719	581
XIAN 700 N	142,2	1,334	0,7702	681
XIAN 800 N	160,2	1,33487	0,86447	781

- Die-cast aluminium radiator with 3 front convective fins
- High thermal emission, thus permitting excellent performance with a lower number of sections and consequent space saving in the installation
- 10 bar as maximum operating pressure
- Long durability, resistance to dilation stresses and corrosion phenomena
- Blocks are assembled in factory in units from 2 to 12 sections
- Sections are assembled each other in the factory via an inorganic elastic joint, with unbeatable resistance to high temperature and pressures, dilatations, circuit additives, chemical gaseous reactions in the heating system. This results in the maximum watertightness of the radiator itself
- For the purpose of certification, "PROTEO" radiator corresponds to factory name "ARENA"



Model	Heat output Δt 50°C Watt x elem.	Exponent n	Constant K_m	Height mm
PROTEO 450	92	1,30565	0,5587	431
PROTEO 700	144	1,3417	0,7467	681
PROTEO 800	161	1,35387	0,81053	781

PROTEO HP

HEAVY-DUTY DIE-CAST ALUMINIUM RADIATORS



EUROPA C

DIE-CAST ALUMINIUM RADIATORS



FERROLI STEEL PANEL RADIATOR

WITH 4 OR 6 CONNECTIONS



- Robust radiator: maximum operating pressure 16 bar, thanks to the accurate study of the section
- High convection, through the 3 frontally fins and study of the internal air flow
- Long durability, resistance to dilation stresses and corrosion phenomena
- Blocks are assembled in factory in units from 2 to 12 sections
- Sections are assembled each other in the factory via an inorganic elastic joint, with unbeatable resistance to high temperature and pressures, dilatations, circuit additives, chemical gaseous reactions in the systems. Maximum watertightness



Model	Heat output Δt 50°C Watt x elem.	Exponent n	Constant K_m	Height mm
PROTEO 600 HP	106,6	1,2967	0,667824	581,5
PROTEO 700 HP	125,72	1,29403	0,795932	681,5

- Die-cast aluminium radiator with flat surface
- It is the ideal smart solution which fits perfectly with any style of furniture, thanks to its sober and elegant design
- 6 bar as maximum operating pressure
- Blocks are assembled in factory in units from 2 to 12 sections
- Each section is painted individually through epoxy powder coating: this results in a brilliant surface, resistant to heat throughout the years
- Sections are assembled each other in the factory via an inorganic elastic joint, with unbeatable resistance to high temperature and pressures, dilatations, circuit additives, chemical gaseous reactions in the heating system. This results in the maximum watertightness of the radiator itself.



Model	Heat output Δt 50°C Watt x elem.	Exponent n	Constant K_m	Height mm
EUROPA 450 C	89,2	1,27784	0,601947	431
EUROPA 600 C	119,8	1,31869	0,688627	581
EUROPA 700 C	137,1	1,31598	0,796525	681
EUROPA 800 C	158,0	1,32052	0,901564	781

- 5 types, 5 heights
- 20 different lengths between 400 - 3000 mm
- 4 or 6 connections radiators for a total choice of 1000 models
- Optionally equipped with compact plug or insert regulation valve
- Easy-to-clean thanks to removable top grills and side covers
- Convector are directly welded on the wet ducts of the radiator to minimize thermal losses and get maximum performance
- Protected against damages during transport and storage by strong packaging system



Heights		300	400	500	600	900
Type 11	W/m	451	606	755	895	1248
Type 20	W/m	555	706	850	990	1394
Type 21	W/m	722	927	1122	1307	1803
Type 22	W/m	930	1195	1449	1694	2384
Type 33	W/m	1340	1723	2083	2424	3314

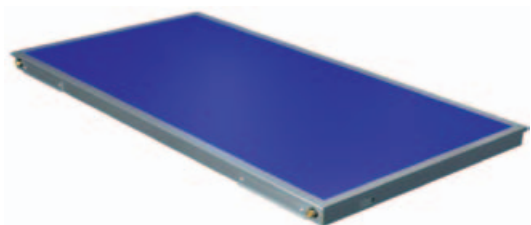
According to EN 442 with $\Delta T = 50^\circ C$

SOLAR THERMAL

ECOTOP VHM	68
ECOTRONIC	68
ECOUNIT F	68
ECOUNIT 750-2000	70
ECOTANK	70
ECOMULTI	70
IDRO	72
FERSOL SOLAR FLUID	72
THERMOSTATIC MIXING VALVE	72

ECOTOP VHM

FLAT SOLAR COLLECTOR FOR FORCED FLOW SYSTEMS



ECOTRONIC

SOLAR CONTROL UNITS

ECOTRONIC TECH

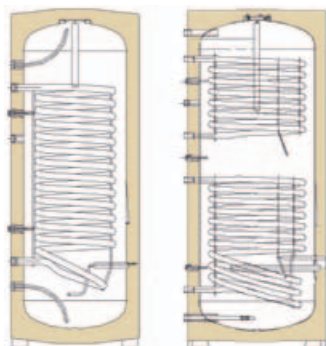


ECOTRONIC PLUS



ECOUNT F

INDIRECT CYLINDER - WITH SINGLE OR DOUBLE COIL



model	100/150	200-500
ErP Class	C	D

- Aluminium highly selective absorber, laser welded copper pipes, harp layout
- Absorption factor 95%
- Vertical or horizontal installation
- Aluminium tray with bottom and side insulation
- Highly transparent glass
- 3/4" connection, max. 8 collectors connected in series
- Keymark certified (EN 12975-2)
- 10 years warranty

Dimensions (WxDxH): mod.2100: 1037x2018x89 mm - **mod. 2600:** 1314x2018x89 mm

Model	Gross surface m ²	Aperture m ²	Stagnation temperature °C	Optical efficiency %
ECOTOP VHM 2.1	2,09	1,82	205	80,8
ECOTOP VHM 2.7	2,65	2,36	205	82,7

ECOTRONIC TECH

- Control unit for solar combined domestic hot water production with management of **single exposure** or **double exposure** solar fields
- **Variable flow-rate control** for best operation in all conditions of sunlight
- Self-diagnosis function and ready for solar energy meter
- Backlit multifunction display with graphic system symbols
- Supplied complete as standard series with 3 temperature probes
- Backup heating management (boiler) with temperature probes
- Output for controlling a cover shutter on the collectors (anti-stagnation)

ECOTRONIC PLUS

- Solar control unit for **double field solar systems or double storage cylinder or storage cylinder + pool**
- 9 relay outputs (1 with voltage-free contact, 4 power relays and 4 semiconductor relays)
- 12 probe inputs + 3 inputs for pulse counters
- Possibility to control **1 heating circuit** (direct or mixed) with temperature compensation
- Supplied with 6 PT 1000 probes (4 storage cylinder probes + 2 solar coll. probes)

Model	Dimensions WxDxH (mm)
ECOTRONIC TECH	108x169x50,40
ECOTRONIC PLUS	220x261x66

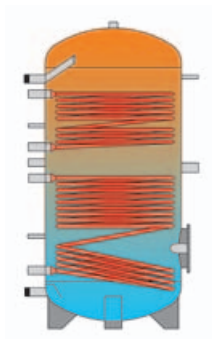
- Indirect cylinder for domestic hot water preparation through single/double coil
- **Model 1C** is equipped with a **single, extended coil**, widely covering necessary part of the container to be heated
- **Model 2C** includes **two coils**, for connection to multiple heat sources
- Container in carbon steel, enamelled with Bluesilicon highly hygienic process
- Equipped with a 1,5 kW backup electric heating element (15°C-75°C adjustable)
- Generous insulating layer, 50 mm, on whole surface of the container
- Connection for recirculation
- Magnesium anode lodged in a very large flange

Dimensions (ØxH): mod. 100: 500x978 mm - **mod. 150:** 500x1325 mm - **mod. 200:** 540x1453 mm
mod. 300: 620x1535 mm - **mod. 400:** 750x1469 mm - **mod. 500:** 750x1769 mm

Model	Total capacity litres	Top/bottom exch. Surface m ²	Output (ΔT 35°C) kW	DHW production (ΔT 35°C) l/h.	Heat loss kWh/24h
ECOUNIT F 100 1C	100	0,74	18,5	450	1,6
ECOUNIT F 150 1C	150	1,25	31,25	790	1,8
ECOUNIT F 200 1C	200	1,4	35	860	2,2
ECOUNIT F 300 1C	300	1,83	45,75	1120	2,7
ECOUNIT F 400 1C	400	2,37	59,25	1440	2,9
ECOUNIT F 500 1C	500	3,39	84,75	2060	3,5
ECOUNIT F 200 2C	200	0,5/0,83	12,5/20,75	306/510	2,2
ECOUNIT F 300 2C	300	0,72/1	18/25	444/618	2,7
ECOUNIT F 400 2C	400	1,19/1,52	29,6/38,1	726/936	2,9
ECOUNIT F 500 2C	500	1,19/2,2	29,6/55	726/1350	3,5

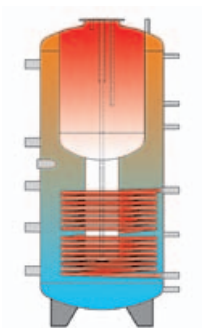
ECOUNTIT 750-2000

DHW TANK WITH DOUBLE COIL



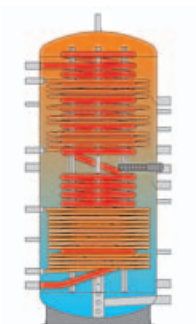
ECOTANK

"TANK-IN-TANK" STORAGE FOR DHW PRODUCTION AND AUXILIARY CENTRAL HEATING



ECOMULTI

MULTI-COIL BUFFER TANK



- Hot water storage cylinders for collective uses with solar-assisted centralised domestic hot water production
- Special corrosion-proof treatment: **glazing** (DIN 4753)
- Magnesium anode as standard
- **2 carbon steel coils**
- 3 probe sockets + 1 inspection flange
- 100 mm soft PU insulation

Dimensions (øxH): Mod. 750: 790x1790 mm - **Mod. 1000:** 790x2040 mm
Mod. 1500: 1000x2120 mm - **Mod. 2000:** 1100x2405 mm

Model	Total capacity lit	Top/bottom exch.surface m ²	Output (Δt 35°C) kW	DHW production (Δt 35°C) l/h	Max. operating press bar	Max operat temper. °C
ECOUNIT 750-2C	760	1,6/2,7	40/68	1000/1700	10/6	95
ECOUNIT 1000-2C	900	1,6/3,0	40/75	1000/1800	10/6	95
ECOUNIT 1500-2C	1450	1,8/3,4	47/88	1200/2200	6/6	95
ECOUNIT 2000-2C	2080	2,8/4,6	73/120	1800/2900	6/6	95

- **"Tank-in-tank"** solar storage cylinder suitable for domestic hot water production and auxiliary central heating
- Total volume 780 litres for model 800 and 1450 for model 1500
- High capacity inside enamelled steel tank (DIN 4753) for domestic hot water, with possibility of recirculation
- Special extended layout of the domestic hot water tank for **faster use of solar energy**
- Copper solar coil
- 6 probe sockets + 1 for the electric heater
- 100 mm soft PU insulation
- Magnesium anode as standard

Dimensions (øxH): Mod. 800: 750x1980 mm - **Mod. 1500:** 1000x2085 mm

Model	Total capacity lit	Top/bottom exch. surface m ²	Output (Δt 35°C) kW	DHW storage volume l	Maximum operating pressure bar*	Max operat temper. °C
ECOTANK 800	780	(1,8)/2,7	(36)/68	205	6/6/3	95
ECOTANK 1500	1450	(-)/3,3	(-)/86	330	6/6/3	95

* DHW / exchangers / heating

- Possibility of stratified filling from the solar circuit to optimise seasonal efficiency using both coils, or alternatively to use the system as a multi-energy buffer tank with parallel connection of several sources (e.g. boiler + solar + heat pump or biomass boiler)
- Corrugated AISI 316L stainless steel **semi-rapid heat exchanger for domestic hot water production**
- 6 probe sockets + 1 for the electric heater
- 100 mm soft PU insulation
- **Double stratification system** controlled at low speed for connection of the system return at low and medium temperatures
- No need for magnesium anode (DHW production occurs using the AISI 316 stainless steel semi-rapid heat exchanger) not related maintenance

Dimensions (øxH): Mod. 600: 650x1955 mm - **Mod. 1000:** 790x2110 mm

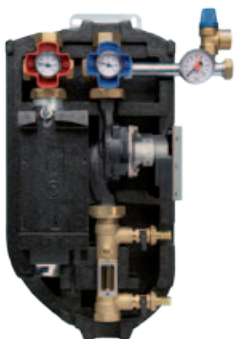
Model	Total capacity lit	Top/bottom heat exch. m ²	Output (Δt 35°C) kW	DHW production (Δt 35°C) l/h	Maximum operating pressure bar *	Max operat temper. °C
ECOMULTI 600	580	2,0/2,0	34/48	1,0/1,2	6/6/3	95
ECOMULTI 800	810	2,0/2,5	42/63	1,0/1,5	6/6/3	95
ECOMULTI 1000	910	2,0/3,0	42/75	1,0/1,8	6/6/3	95

* DHW / exchangers / heating

IDRO

SOLAR PUMP STATION

INNER VIEW
(mod. 30-70)



EXTERNAL VIEW
(mod. 12)



LODGING FOR
ECOTRONIC
CONTROLLER

FERSOL SOLAR FLUID

PREMIXED



THERMOSTATIC MIXING VALVE

SOLAR APPLICATION UP TO 100°C



- High efficiency circulator with built-in autodiagnosics
- Suitable for lodging of the solar circuit electronic controller Ecotronic Tech (optional)
- System fill and drain valve
- **Analogue thermometers** for flow and return temperatures (except IDRO 12 and IDRO 12 Easy)
- Polypropylene foam insulation
- Connection for expansion vessel
- **Complete** with Safety valve, pressure gauge, no-return valve, flow regulating valve with indicator
- Equipped with **manual air vent** (except IDRO 12 Easy). Assembling of an air vent with on-off valve is advisable, one piece on top of the solar field
- **IDRO 12 Easy** is particularly suitable as **second pump** station for solar systems with double exposure

Model	Rated fitting diameter	Min/max flow-rate lt/min	Max operating pressure bar
IDRO 12 Easy	ø 18 - 3/4" M	2 - 12	8
IDRO 12	ø 18 - 3/4" M	2 - 12	8
IDRO 30	DN25 / 1" F	10 - 30	8
IDRO 70	DN32 / 1"1/4 F	20 - 70	8

FERSOL LT

Specific ready-to-use heat carrier fluid for solar circuits with high summer temperatures and moderate frost risk. Specific **premixed** product made from demineralised water, atoxic propylene glycol with antifreeze function (**-12°C**) and corrosion inhibitors that are stable at the typical stagnation of solar collectors. The colour change of the special dye additives from purplish to neutral means the fluid needs to be changed.

FERSOL ULTRA LT

Specific ready-to-use heat carrier fluid for solar circuits with significant temperature swings in cold climates. Specific **premixed** product made from demineralised water, atoxic propylene glycol with antifreeze function down to very low temperature (**-25°C**) and corrosion inhibitors that are stable in stagnation conditions up to 300°C. The colour change of the special dye additives from purplish to neutral means the fluid needs to be changed.

	Content lt	Protection down to (°C)
FERSOL LT	5	-12
FERSOL LT	25	-12
FERSOL ULTRA LT	5	-25
FERSOL ULTRA LT	25	-25

- Regulation range: 30÷65°C
- 1/2" diameter, chrome-plated
- EN 12165 compliant
- Max inlet temperature 100°C
- Max inlet pressure 5 bar
- Includes 2 non-return valves

HEAT PUMPS

HEAT PUMPS FOR DHW PREPARATION

AQUA¹ PLUS 76

AQUA¹ PLUS

HEAT PUMP FOR DOMESTIC HOT WATER APPLICATION

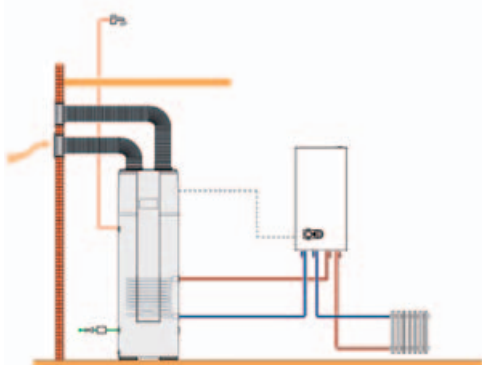
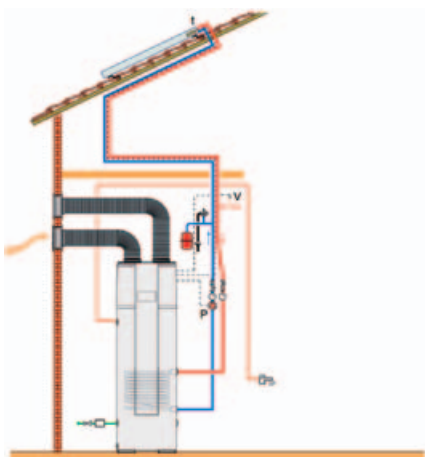


TOUCH-SCREEN CONTROL PANEL



HEATING SUPPLEMENTS

Coil-equipped appliances can fully govern integration with an external heating source



- Air sourced heat pump, including enamelled DHW storage, **200 or 300 litres** content. Magnesium anode included
- Max water production temperature **60°C**
- Preset for **ducting** of air intake and evacuation
- Defrosting system (min outdoor temperature **0°C**)
- **Backup 1,5 kW heating element**
- **Touch-screen** control panel
- Exchanger consists in a tube bundle, surrounding **externally** the tank and generously insulated
- **SOL** version is equipped with an internal auxiliary coil for a combination with an **external heating source**. Coil surface: 1 m² (mod. 200 SOL), 2 m² (mod. 300 SOL)

Dimensions (ØxH): mod. 200: 560x1173 mm - **mod. 300:** 640x1887 mm

Model	Thermal output W ⁽¹⁾	Power input W ⁽¹⁾	COP W/W ⁽¹⁾	Efficiency class	Heat loss W ⁽²⁾
200 (200 SOL)	1800	460	3,91	A+	2,55
300 (300 SOL)	1800	460	3,91	A	3,64

(1) ISO 255-3

(2) EN 16147:2011 Heating operation: Temperatures = 15°C B.S. / 12°C B.U. -Cold water temperature = 10°C

Control board is basen on an intuitive touch screen interface. It is possible to select different operating modes (**Automatic, Eco, Supplement and Holidays**).

The internal timer can be set according to the DHW needs but also in accordance to off-peaks **time-of-use electric pricing**.

It is possible to set legionella protection program and monitor operation status and data along with safety controls.

The internal microprocessor manages in a complete and efficient way energy **heating supplements** from the electric element, solar thermal or a boiler / pellet stove.

SOLAR INTEGRATION

The unit includes an internal stainless steel coil. Electronics handles a circulator (P), an over-temperature valve (V) and detects fluid's temperature on the solar collector.

BOILER INTEGRATION

It is possible to integrate DHW production through an external source, combustion fuelled, connected to the heat pump's coil. Electric heating element can be then disabled. Operation strategy depends on priority heat pump-boiler according to the different working temperatures.

SYMBOLS KEY



Infra-red remote control



I FEEL function: local reading of room temperature



Electro-static filters, active-carbon, supplied as standard



DC INVERTER technology. Direct current compressor installed on the unit ensure a **30% higher electro-mechanical efficiency than TRADITIONAL (AC) INVERTERS**



Anti-bacteria filters



Product identified by the present logo are EUROVENT certified



Swing function (motor-assisted air deflector on internal unit)



Efficiency standard compatible with 2014 prescriptions



Timer



R410A ecological coolant. Complies with Montreal protocol, CFC-free, thus harmless to ozone layer



Re-start in case of black-out, with settings memory



R134A ecological coolant. Complies with Montreal protocol, CFC-free, thus harmless to ozone layer



AUTO MODE: automatic activation of Cool/Heat function depending on room temperature and setpoint



All products are ROHS compatible according to 2002/95/CE Directive



DRY MODE: improve summer dehumidification process



Max temperature for DHW production



FAN MODE: Appliance is working only as a blower fan



Cooling working mode



Self-adjustment of fan's speed



Heating working mode



NIGHT MODE (SLEEP): improves night comfort by self-adjustment of fan's speed and setpoint



Auto-clean function: internal exchanger is dried after cooling or dry mode, thus avoiding bad smell to arise



TURBO MODE: Operation at full capacity for a quick reaching of setpoint



Cooling mode possible also with -15°C as outside temperature



Pump for condensate relief as a standard in the internal unit



Alert system for coolant leakage



Air ionizer



Autodiagnostic system with indication of eventual anomalies



Possible wall-hung installation



Universal internal units: can be matched to single or multisplit appliances



Frost safety protection: 8°C as indoor setpoint

AIR CONDITIONING

SPLIT UNITS

ASTER S 80

ASTER M 80

FAN COILS

TOP FAN PLUS 80

ASTER S

DC INVERTER SPLIT AIR CONDITIONER



ASTER M

DC INVERTER MULTI-SPLIT AIR CONDITIONER



TOP FAN PLUS

FAN COIL



- Ecological refrigerant R410A
- Energy efficiency class level A++ / A +
- Indoor units with large led display
- Equipped with inverter technology DC
- Indoor units with attractive and modern design
- Outdoor units with cover for connections and double acoustic insulation, treated with rust-proofing agent
- Standard washable filters
- Automatic reset in the event of power failure
- Night-time / Automatic operation mode
- Daily ON/OFF mode

Model	Cooling capacity (1) Watt	Thermal capacity (2) Watt	Power input (1) Watt	Efficiency class 2009/125/CE directive	
				cooling	heating
ASTER S					
9	2600	2800	805	A++	A+
12	3500	3650	1085	A++	A+
18	5130	5270	1580	A++	A+
22	6450	6600	2000	A++	A+

(1) Cooling: Room air temperature 27°C B.S 19°C B.U - Outdoor air temperature 35°C B.S

(2) Heating: Room air temperature 20°C B.S - Outdoor air temperature 7°C B.S 6°C B.U

- Ecological refrigerant R410A - Energy efficiency class level A++ / A +
- Wide combinations options
- Indoor units with large led display
- Equipped with inverter technology DC
- Infrared remote control
- Indoor units with attractive and modern design
- Outdoor units with cover for connections and double acoustic insulation, treated with rust-proofing agent
- Standard washable filters
- Automatic reset in the event of power failure
- Night-time / Automatic operation mode / Daily ON/OFF mode

Model	Cooling capacity (1) Watt	Thermal capacity (2) Watt	Power input (1) Watt	Efficiency class 2009/125/CE directive		Nominal match
				cooling	heating	
ASTER M						
18-2 E.U.	5200	5200	1500	A++	A+	9+9
24-3 E.U.	7000	7000	2100	A++	A+	7+9+9
7 I.U.	2100	2300	-	-	-	-
9 I.U.	2600	2800	-	-	-	-
12 I.U.	3500	3650	-	-	-	-
18 I.U.	5130	5270	-	-	-	-

(1) Cooling: Room air temperature 27°C B.S 19°C B.U - Outdoor air temperature 35°C B.S

(2) Heating: Room air temperature 20°C B.S - Outdoor air temperature 7°C B.S 6°C B.U

- Compact and smart design. Casing is made of combination of plastic material and galvanised steel, coated with epoxy powder
- Bearing structure in galvanised steel
- **Exchanger made of copper pipes and aluminium fins**; brass manifolds designed to grant small pressure drop
- Air filter easibily accessible, can be regeneratred simple by washing with water
- Fan assembly with 3 speed motor and aluminium fan
- **Wide range of controls**: can be installed on board or remotely hung on the wall
- **New version with IR remote control**

Model	Cooling capacity (1) W	Thermal output (2) W	Unit VM-B		Unit VM-F		Unit VN	
			dimension	weight	dimension	weight	dimension	weight
			WxHxD mm	kg	WxHxD mm	kg	WxHxD mm	kg
TOP FAN 15	1100	2800	690x654x220	14	690x554x220	15	474x494x216	11
TOP FAN 20	1400	3650	690x654x220	14	690x554x220	15	474x494x216	11
TOP FAN 30	2100	5500	940x654x220	20	940x554x220	21	724x494x216	15
TOP FAN 40	2800	6500	940x654x220	20	940x554x220	21	724x494x216	15
TOP FAN 50	3400	7800	1190x654x220	27	1190x554x220	28	974x494x216	22
TOP FAN 60	4000	9400	1190x654x220	27	1190x554x220	28	974x494x216	22
TOP FAN 80	4900	12500	1190x654x220	27	1190x554x220	28	974x494x216	22
TOP FAN 100	6100	14900	1440x654x220	34	1440x554x220	36	1224x494x216	29
TOP FAN 120	6850	15800	1440x654x220	34	1440x554x220	36	1224x494x216	29

1) Room temperature 27°C D.B. / 19°C W.B - Inlet water temperature 7° C Δ5°C at max. fan's speed

2) Room temperature 20°C - Inlet water temperature 70°C Δ10°C at max. fan's speed

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WARNING FOR TRADERS: As part of its efforts to constantly improve its range of products, with the aim of increasing the level of Customer satisfaction, the Company stresses that the appearance, dimensions, technical data and accessories may be subject to variation. Consequently, ensure that the Customer is provided with updated documents.

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