Product Range

DOMESTIC
HEATING
WATER HEATERS
SOLAR THERMAL
HEAT PUMPS
AIR CONDITIONING
POCKET FERROLI

Identification colours for each product family

CONDENSING LINE 7
WALL-HUNG BOILERS 19
FLOOR STANDING BOILERS 24
WATER HEATERS 45
SYSTEM COMPLEMENTS 55
RADIATORS 61
SOLAR THERMAL 67
HEAT PUMPS 75
AIR CONDITIONING 79

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

<table>
<thead>
<tr>
<th>OUTPUT POWER RANGE</th>
<th>0 – 70 kW</th>
<th>71 – 400 kW (boilers, heat pumps and water heaters)</th>
<th>401 – 2000 kW (biomass boilers)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Heater / heat generator:</strong></td>
<td>Boiler, heat pump (biomass boilers: labelling from 2017, limits from 2020)</td>
<td>NO Energy Label (not required/not possible)</td>
<td>Efficiency limits (mandatory)</td>
</tr>
<tr>
<td><strong>Sanitary Hot Water device / storage tank:</strong></td>
<td>Boiler, heat pump (biomass boilers: labelling from 2017, limits from 2020)</td>
<td>NO Energy Label (not required/not possible)</td>
<td>Efficiency limits (mandatory)</td>
</tr>
<tr>
<td><strong>Package system combination of min. 2 ErP compliant and ErP labelled products:</strong></td>
<td>For each single product, not for the resulting system</td>
<td>For each single product, not for the resulting system</td>
<td>For each single product, not for the resulting system</td>
</tr>
</tbody>
</table>
Can be combined with DHW pre-heating appliances, such as solar collectors

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

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
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
CONDENSING LINE

BLUEHELIX PRO
INSTANT COMBINATION WALL-HUNG CONDENSING BOILER

BLUEHELIX TECH C
INSTANT COMBINATION WALL-HUNG CONDENSING BOILER

BLUEHELIX TECH A - H
WALL-HUNG CONDENSING BOILER, HEATING ONLY
### Dimensions (WxHxD): 400x600x320 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Domestic hot water production Δt 25°C l/min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUEHELIX TECH 25 C</td>
<td>26.5</td>
<td>25.0</td>
<td>15.5</td>
<td>94</td>
</tr>
<tr>
<td>BLUEHELIX TECH 35 C</td>
<td>34.0</td>
<td>34.8</td>
<td>19.5</td>
<td>94</td>
</tr>
</tbody>
</table>

- 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 fan and 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
- 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

### Dimensions (WxHxD): 400x700x330 mm

- 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
- 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 in combination with Romeo remote control and the outdoor probe (only for mod. 25 A – 35 A)

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Max operating pressure bar</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUEHELIX TECH 18 A</td>
<td>18.5</td>
<td>17.4</td>
<td>3</td>
<td>93</td>
</tr>
<tr>
<td>BLUEHELIX TECH 25 A</td>
<td>26.5</td>
<td>25.0</td>
<td>3</td>
<td>94</td>
</tr>
<tr>
<td>BLUEHELIX TECH 35 A</td>
<td>38.9</td>
<td>34.8</td>
<td>3</td>
<td>94</td>
</tr>
<tr>
<td>BLUEHELIX TECH 45 H</td>
<td>45.6</td>
<td>43.0</td>
<td>3</td>
<td>93</td>
</tr>
</tbody>
</table>

- 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
- 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
- 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

- 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
- Can be combined in combination with Romeo remote control and the outdoor probe (only for mod. 25 A – 35 A)

- Patented primary exchanger in stainless steel AISI 316 Ti, boasting considerable thickness
- Exchanger consisting in a pipe-in pipe coil, with no welding, nor joint
- 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
- 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
- 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

- 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
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- 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
- Can be combined in combination with Romeo remote control and the outdoor probe (only for mod. 25 A – 35 A)
CONDENSING LINE

DIVACONDENS
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
### Dimensions (WxHxD): 400x90x330 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C</th>
<th>Heat input max</th>
<th>Domestic hot water production Δt 25°C l/min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIVACONDENS 24</td>
<td>25.9</td>
<td>25.0</td>
<td>14.0</td>
<td>87</td>
</tr>
<tr>
<td>DIVACONDENS 28</td>
<td>29.0</td>
<td>28.0</td>
<td>15.7</td>
<td>86</td>
</tr>
</tbody>
</table>

- 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): 600x80x590 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C</th>
<th>Heat input max</th>
<th>Domestic hot water production Δt 30°C l/10min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUEHELIX 25 K 50</td>
<td>26.5</td>
<td>25.0</td>
<td>175</td>
<td>94</td>
</tr>
<tr>
<td>BLUEHELIX 32 K 50</td>
<td>29.5</td>
<td>32.0</td>
<td>195</td>
<td>94</td>
</tr>
</tbody>
</table>

- 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, amended by Reg. 812/2013
- Flow temperature compensation through optional outdoor probe reading
- Exchanger protection function, via ΔT control
- Legionella protection, programmable
- Times antiseize program for pump and 3-ways valve
- SYSTEM A+: in combination with Romeo remote control and the outdoor probe

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C</th>
<th>Heat input max</th>
<th>Max operating pressure bar</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUEHELIX B 35</td>
<td>34.0</td>
<td>32.0</td>
<td>3</td>
<td>94</td>
</tr>
<tr>
<td>BLUEHELIX B S 45</td>
<td>45.6</td>
<td>43.0</td>
<td>3</td>
<td>93</td>
</tr>
</tbody>
</table>

- 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
- SYSTEM A+: in combination with Romeo remote control and the outdoor probe (only for mod. 35)
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, amended 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

**Dimensions (WxHxD):** 800x850x595 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Domestic hot water production Δt 30°C l/10min</th>
<th>Seasonal efficiency ηs %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUEHELIX B S 32 K 50</td>
<td>31.3</td>
<td>29.5</td>
<td>195</td>
<td>94</td>
</tr>
</tbody>
</table>

- 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: high efficiency, modulating pumps and electronic board as standard for operation with two zone heating systems: a high temperature one and a mixed zone
- 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, amended 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):** 900x1500x535 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Domestic hot water production Δt 30°C l/10min</th>
<th>Seasonal efficiency ηs %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECONCEPT SOLAR ST 18</td>
<td>19.0</td>
<td>18.0</td>
<td>230</td>
<td>92</td>
</tr>
<tr>
<td>ECONCEPT SOLAR ST 25</td>
<td>26.6</td>
<td>25.2</td>
<td>260</td>
<td>92</td>
</tr>
</tbody>
</table>

- 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

**Dimensions (WxHxD):** 800x1800x600 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Domestic hot water production Δt 30°C l/10min</th>
<th>Seasonal efficiency ηs %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECONCEPT SOLAR ST 18</td>
<td>19.0</td>
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<td>230</td>
<td>92</td>
</tr>
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<td>ECONCEPT SOLAR ST 25</td>
<td>26.6</td>
<td>25.2</td>
<td>260</td>
<td>92</td>
</tr>
</tbody>
</table>
**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

**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 hang-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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Max operating pressure bar</th>
<th>Seasonal max operating efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENERGY TOP W 60</td>
<td>61.5</td>
<td>58.0</td>
<td>6</td>
<td>93</td>
</tr>
<tr>
<td>ENERGY TOP W 80</td>
<td>79.5</td>
<td>75.0</td>
<td>6</td>
<td>93</td>
</tr>
<tr>
<td>ENERGY TOP W 125</td>
<td>123.0</td>
<td>116.0</td>
<td>6</td>
<td>93</td>
</tr>
</tbody>
</table>

- 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 (ON100), 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Max operating pressure bar</th>
<th>Seasonal max operating efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENERGY TOP B 80</td>
<td>79.5</td>
<td>75.0</td>
<td>6</td>
<td>93</td>
</tr>
<tr>
<td>ENERGY TOP B 125</td>
<td>123.0</td>
<td>116.0</td>
<td>6</td>
<td>93</td>
</tr>
<tr>
<td>ENERGY TOP B 160</td>
<td>159.0</td>
<td>150.0</td>
<td>6</td>
<td>93</td>
</tr>
<tr>
<td>ENERGY TOP B 250</td>
<td>246.0</td>
<td>223.0</td>
<td>6</td>
<td>93</td>
</tr>
</tbody>
</table>

- 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
- **SYSTEM A+**: in combination with Romeo remote control and the outdoor probe

### Dimensions (WxHxD): Mod. 70: 540x1760x600 mm - Mod. 125: 600x1760x600 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Max operating pressure bar</th>
<th>Seasonal max operating efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUADRIFOGLIO B 70</td>
<td>69.9</td>
<td>65.5</td>
<td>6</td>
<td>94</td>
</tr>
<tr>
<td>QUADRIFOGLIO B 125</td>
<td>125.0</td>
<td>116.0</td>
<td>6</td>
<td>94</td>
</tr>
<tr>
<td>QUADRIFOGLIO B 220</td>
<td>220.0</td>
<td>207.0</td>
<td>6</td>
<td>94</td>
</tr>
<tr>
<td>QUADRIFOGLIO B 320</td>
<td>320.0</td>
<td>299.0</td>
<td>6</td>
<td>94</td>
</tr>
</tbody>
</table>
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, 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>DHW production Δt 25°C l/min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 32 CONDENS SI UNIT</td>
<td>33.8</td>
<td>33.0</td>
<td>16.9</td>
<td>91</td>
</tr>
</tbody>
</table>

---

### Dimensions (WxHxD): 500x1350x950 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Max operating pressure bar</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 32 CONDENS UNIT</td>
<td>33.8</td>
<td>33.0</td>
<td>3</td>
<td>91</td>
</tr>
<tr>
<td>ATLAS D 42 CONDENS UNIT</td>
<td>44.5</td>
<td>43.5</td>
<td>3</td>
<td>91</td>
</tr>
</tbody>
</table>

---

- **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
- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max 50°/30°C kW</th>
<th>Heat input max kW</th>
<th>Domestic hot water production Δt 30°C l/10 min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 32 CONDENS K UNIT</td>
<td>33.8</td>
<td>33.0</td>
<td>250</td>
<td>91</td>
</tr>
</tbody>
</table>
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
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 anti-surge 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max kW</th>
<th>Heat input max kW</th>
<th>Maximum DHW production Δt 25°C l/min</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOMINA C 24 N</td>
<td>23.5</td>
<td>25.8</td>
<td>13.4</td>
<td>25</td>
</tr>
<tr>
<td>DOMINA C 28 N</td>
<td>28.0</td>
<td>30.8</td>
<td>17.9</td>
<td>30</td>
</tr>
<tr>
<td>DOMINA C 32 N</td>
<td>31.5</td>
<td>34.4</td>
<td>17.9</td>
<td>30</td>
</tr>
<tr>
<td>DOMINA F 28 N</td>
<td>24.0</td>
<td>25.8</td>
<td>13.7</td>
<td>30</td>
</tr>
<tr>
<td>DOMINA F 32 N</td>
<td>32.0</td>
<td>34.4</td>
<td>16.3</td>
<td>35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max kW</th>
<th>Heat input max kW</th>
<th>Maximum DHW production Δt 25°C l/min</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIVA C 24</td>
<td>23.5</td>
<td>25.8</td>
<td>13.4</td>
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</tr>
<tr>
<td>DIVA C 28</td>
<td>28.0</td>
<td>30.8</td>
<td>17.9</td>
<td>30</td>
</tr>
<tr>
<td>DIVA C 32</td>
<td>31.5</td>
<td>34.4</td>
<td>17.9</td>
<td>30</td>
</tr>
<tr>
<td>DIVA F 24</td>
<td>24.0</td>
<td>25.8</td>
<td>13.7</td>
<td>32</td>
</tr>
<tr>
<td>DIVA F 28</td>
<td>28.0</td>
<td>30.0</td>
<td>18.3</td>
<td>35</td>
</tr>
<tr>
<td>DIVA F 32</td>
<td>32.0</td>
<td>34.4</td>
<td>18.3</td>
<td>35</td>
</tr>
<tr>
<td>DIVA F 37</td>
<td>37.0</td>
<td>39.7</td>
<td>21.1</td>
<td>37</td>
</tr>
</tbody>
</table>

- Traditional compact wall hung boiler for central heating and domestic hot water
- Monothermic CH copper exchanger plus DHW stainless steel plates exchanger fed by 230V 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max kW</th>
<th>Heat input max kW</th>
<th>Maximum DHW production Δt 25°C l/min</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIVAPROJECT C 24</td>
<td>23.5</td>
<td>25.8</td>
<td>13.4</td>
<td>27</td>
</tr>
<tr>
<td>DIVAPROJECT C 30</td>
<td>30.0</td>
<td>33.0</td>
<td>17.2</td>
<td>35</td>
</tr>
</tbody>
</table>

- 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 anti-surge 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max kW</th>
<th>Heat input max kW</th>
<th>Maximum DHW production Δt 25°C l/min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIVAPROJECT C 24</td>
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<td>25.8</td>
<td>13.4</td>
<td>77</td>
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<tr>
<td>DIVAPROJECT C 30</td>
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<td>33.0</td>
<td>17.2</td>
<td>76</td>
</tr>
</tbody>
</table>
WALL-HUNG GAS BOILERS / ELECTRIC

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 options
- 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): Mod. 24: 400x700x330 mm - Mod. 32: 450x700x330 mm

- Primary exchanger in copper, protected by aluminium coating
- Built-in electronic management of an eventual external DHW cylinder, led 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

- 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

- Voltage: mod. 6÷9: 1x230V/50Hz or 3x230V/400V/50Hz - mod. 12÷24: 3x230V/400V/50Hz
<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEGASUS TP</td>
<td>26</td>
</tr>
<tr>
<td>PEGASUS T</td>
<td>26</td>
</tr>
<tr>
<td>PEGASUS 23 - 32 - 45</td>
<td>26</td>
</tr>
<tr>
<td>PEGASUS D 23 - 32 - 45</td>
<td>28</td>
</tr>
<tr>
<td>PEGASUS D K 130</td>
<td>28</td>
</tr>
<tr>
<td>PEGASUS</td>
<td>28</td>
</tr>
<tr>
<td>ATLAS</td>
<td>30</td>
</tr>
<tr>
<td>ATLAS D 32÷95</td>
<td>30</td>
</tr>
<tr>
<td>ATLAS D 25÷75</td>
<td>30</td>
</tr>
<tr>
<td>ATLAS D UNIT</td>
<td>32</td>
</tr>
<tr>
<td>ATLAS D SI UNIT</td>
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<tr>
<td>ATLAS D K UNIT</td>
<td>32</td>
</tr>
<tr>
<td>ATLAS DK</td>
<td>34</td>
</tr>
<tr>
<td>GN2 N</td>
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<tr>
<td>GN4 N</td>
<td>34</td>
</tr>
<tr>
<td>SFL</td>
<td>36</td>
</tr>
<tr>
<td>SUN P</td>
<td>36</td>
</tr>
<tr>
<td>PREXTERM RSW</td>
<td>38</td>
</tr>
<tr>
<td>PREXTERM RSH</td>
<td>38</td>
</tr>
<tr>
<td>PREXTERM RS3</td>
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<td>THERMO EBM</td>
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</tr>
<tr>
<td>SUN G</td>
<td>42</td>
</tr>
<tr>
<td>SUN M</td>
<td>42</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEGASUS TP 23</td>
<td>23.0</td>
<td>25.3</td>
<td>6</td>
<td>106</td>
</tr>
<tr>
<td>PEGASUS TP 32</td>
<td>32.0</td>
<td>34.9</td>
<td>6</td>
<td>136</td>
</tr>
<tr>
<td>PEGASUS TP 45</td>
<td>45.0</td>
<td>45.9</td>
<td>6</td>
<td>164</td>
</tr>
</tbody>
</table>

- 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 termocouple
- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEGASUS T 23</td>
<td>23.0</td>
<td>25.3</td>
<td>6</td>
<td>106</td>
</tr>
<tr>
<td>PEGASUS T 32</td>
<td>32.0</td>
<td>34.9</td>
<td>6</td>
<td>136</td>
</tr>
<tr>
<td>PEGASUS T 45</td>
<td>45.0</td>
<td>45.9</td>
<td>6</td>
<td>164</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEGASUS 23</td>
<td>23.0</td>
<td>25.3</td>
<td>6</td>
<td>106</td>
</tr>
<tr>
<td>PEGASUS 32</td>
<td>32.0</td>
<td>34.9</td>
<td>6</td>
<td>136</td>
</tr>
<tr>
<td>PEGASUS 45</td>
<td>45.0</td>
<td>49.5</td>
<td>6</td>
<td>164</td>
</tr>
</tbody>
</table>
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
- 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 (optional)
- Evolved digital interface for planning and monitoring of CH-DHW temperatures and advanced features (economy, legionella protection, troubleshooting etc)
- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEGASUS D 23</td>
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<td>6</td>
<td>106</td>
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<td>32.0</td>
<td>34.9</td>
<td>6</td>
<td>136</td>
</tr>
<tr>
<td>PEGASUS D 45</td>
<td>45.0</td>
<td>49.5</td>
<td>6</td>
<td>164</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Maximum DHW production at 30°C l/10 min</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
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<td>30.2</td>
<td>32.2</td>
<td>250</td>
<td>250</td>
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<tr>
<td>PEGASUS D 32</td>
<td>40.1</td>
<td>42.9</td>
<td>250</td>
<td>275</td>
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<tr>
<td>PEGASUS D 45</td>
<td>45.0</td>
<td>49.5</td>
<td>250</td>
<td>275</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Dimensions (WxHxD):</th>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>400x650x615 mm</td>
<td>PEGASUS F3 N 119 2S</td>
<td>119.0</td>
<td>131.0</td>
<td>6</td>
<td>470</td>
</tr>
<tr>
<td></td>
<td>PEGASUS F3 N 136 2S</td>
<td>136.0</td>
<td>149.0</td>
<td>6</td>
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</tr>
<tr>
<td></td>
<td>PEGASUS F3 N 153 2S</td>
<td>153.0</td>
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<tr>
<td></td>
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<td>221.0</td>
<td>243.0</td>
<td>6</td>
<td>760</td>
</tr>
<tr>
<td></td>
<td>PEGASUS F3 N 255 2S</td>
<td>255.0</td>
<td>280.0</td>
<td>6</td>
<td>875</td>
</tr>
<tr>
<td></td>
<td>PEGASUS F3 N 289 2S</td>
<td>289.0</td>
<td>317.0</td>
<td>6</td>
<td>945</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Dimensions (WxHxD):</th>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>500x1345x950 mm</td>
<td>PEGASUS F3 N 221 2S</td>
<td>221.0</td>
<td>243.0</td>
<td>6</td>
<td>760</td>
</tr>
<tr>
<td></td>
<td>PEGASUS F3 N 255 2S</td>
<td>255.0</td>
<td>280.0</td>
<td>6</td>
<td>875</td>
</tr>
<tr>
<td></td>
<td>PEGASUS F3 N 289 2S</td>
<td>289.0</td>
<td>317.0</td>
<td>6</td>
<td>945</td>
</tr>
</tbody>
</table>
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 performing three-pass 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 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, 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS 32</td>
<td>32.0</td>
<td>34.9</td>
<td>6</td>
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<tr>
<td>ATLAS 47</td>
<td>47.0</td>
<td>51.6</td>
<td>6</td>
<td>166</td>
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<tr>
<td>ATLAS 62</td>
<td>62.0</td>
<td>67.7</td>
<td>6</td>
<td>205</td>
</tr>
<tr>
<td>ATLAS 78</td>
<td>78.0</td>
<td>85.6</td>
<td>6</td>
<td>244</td>
</tr>
<tr>
<td>ATLAS 95</td>
<td>95.0</td>
<td>103.2</td>
<td>6</td>
<td>283</td>
</tr>
</tbody>
</table>

### Dimensions (WxHxD): 500x850x400-800 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 30</td>
<td>30.0</td>
<td>32.2</td>
<td>6</td>
<td>127</td>
</tr>
<tr>
<td>ATLAS D 42</td>
<td>42.0</td>
<td>45.0</td>
<td>6</td>
<td>166</td>
</tr>
<tr>
<td>ATLAS D 55</td>
<td>55.0</td>
<td>58.8</td>
<td>6</td>
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<tr>
<td>ATLAS D 70</td>
<td>70.0</td>
<td>74.7</td>
<td>6</td>
<td>244</td>
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<tr>
<td>ATLAS D 87</td>
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<td>92.6</td>
<td>6</td>
<td>283</td>
</tr>
</tbody>
</table>

### Model Heat Heat Oil Seasonal output input burner efficiency matching η % %

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Oil burner matching (in EU)</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 25</td>
<td>25.0</td>
<td>28.3</td>
<td>SUN G6</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 37</td>
<td>37.0</td>
<td>41.9</td>
<td>SUN G6</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 50</td>
<td>50.0</td>
<td>56.6</td>
<td>SUN G10</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 63</td>
<td>63.0</td>
<td>71.3</td>
<td>SUN G10</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 75</td>
<td>75.0</td>
<td>84.6</td>
<td>SUN G10</td>
<td>86</td>
</tr>
</tbody>
</table>
FLOOR STANDING OIL BOILERS

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
- 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)
- Redesigned heat exchange in the boiler body, in order to transfer maximum energy to system water
- 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 etc)
- 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): 500x850x830 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Burner matching pressure bar</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 25 UNIT</td>
<td>25.0</td>
<td>28.3</td>
<td>6</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 37 UNIT</td>
<td>37.0</td>
<td>41.9</td>
<td>6</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 50 UNIT</td>
<td>56.0</td>
<td>58.6</td>
<td>6</td>
<td>86</td>
</tr>
</tbody>
</table>

Dimensions (WxHxD): mod. 25: 500x830x532 mm - mod. 37: 500x850x732 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max DHW production l/min</th>
<th>Seasonal efficiency %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 25 SI UNIT</td>
<td>25.0</td>
<td>28.3</td>
<td>14.3</td>
<td>86</td>
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<tr>
<td>ATLAS D 37 SI UNIT</td>
<td>37.0</td>
<td>41.9</td>
<td>21.2</td>
<td>86</td>
</tr>
</tbody>
</table>

Dimensions (WxHxD): mod. 25: 500x1340x750 mm - mod. 37: 500x1344x949 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max DHW production l/10 min</th>
<th>Seasonal efficiency %</th>
</tr>
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<tbody>
<tr>
<td>ATLAS D 25 K UNIT</td>
<td>25.0</td>
<td>28.3</td>
<td>190</td>
<td>86</td>
</tr>
<tr>
<td>ATLAS D 37 K UNIT</td>
<td>37.0</td>
<td>41.9</td>
<td>260</td>
<td>86</td>
</tr>
</tbody>
</table>
FLOOR STANDING GAS / OIL BOILERS

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 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Operating body pressure bar</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATLAS D 30 K 100</td>
<td>30.0</td>
<td>32.2</td>
<td>6</td>
<td>220</td>
</tr>
<tr>
<td>ATLAS D 42 K 130</td>
<td>42.0</td>
<td>45.0</td>
<td>6</td>
<td>250</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Boiler body weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>GN2 N 06</td>
<td>107</td>
<td>116.0</td>
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<td>361</td>
</tr>
<tr>
<td>GN2 N 07</td>
<td>126</td>
<td>136.9</td>
<td>6</td>
<td>412</td>
</tr>
<tr>
<td>GN2 N 08</td>
<td>144</td>
<td>156.5</td>
<td>6</td>
<td>463</td>
</tr>
<tr>
<td>GN2 N 09</td>
<td>162</td>
<td>176.0</td>
<td>6</td>
<td>514</td>
</tr>
<tr>
<td>GN2 N 10</td>
<td>180</td>
<td>195.5</td>
<td>6</td>
<td>565</td>
</tr>
<tr>
<td>GN2 N 11</td>
<td>198</td>
<td>215.2</td>
<td>6</td>
<td>616</td>
</tr>
<tr>
<td>GN2 N 12</td>
<td>216</td>
<td>234.7</td>
<td>6</td>
<td>670</td>
</tr>
<tr>
<td>GN2 N 13</td>
<td>234</td>
<td>254.3</td>
<td>6</td>
<td>725</td>
</tr>
<tr>
<td>GN2 N 14</td>
<td>252</td>
<td>273.9</td>
<td>6</td>
<td>780</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Boiler body weight kg</th>
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<td>220</td>
</tr>
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<td>ATLAS D 42 K 130</td>
<td>42.0</td>
<td>45.0</td>
<td>6</td>
<td>250</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Boiler body weight kg</th>
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<tr>
<td>GN2 N 06</td>
<td>107</td>
<td>116.0</td>
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<td>252</td>
<td>273.9</td>
<td>6</td>
<td>780</td>
</tr>
</tbody>
</table>

- 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

<table>
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<tr>
<th>Model</th>
<th>Heat output kW</th>
<th>Heat input kW</th>
<th>Max operating pressure bar</th>
<th>Boiler body weight kg</th>
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<td>6</td>
<td>220</td>
</tr>
<tr>
<td>ATLAS D 42 K 130</td>
<td>42.0</td>
<td>45.0</td>
<td>6</td>
<td>250</td>
</tr>
</tbody>
</table>
SFL
CAST IRON SOLID FUEL BOILER,
HEATING ONLY

SUN P
JET PELLET BURNER

DOUBLE DOOR SYSTEM FOR QUICKEST FUEL
CONVERSION! (wood to pellet and vice versa)
- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output (wood) kW</th>
<th>Heat output (coke) kW</th>
<th>Heat output (pellet) kW</th>
<th>Pellet burner matching</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFL 3</td>
<td>19</td>
<td>22.5</td>
<td>22</td>
<td>SUN P 7</td>
</tr>
<tr>
<td>SFL 4</td>
<td>27</td>
<td>32.5</td>
<td>30</td>
<td>SUN P 7</td>
</tr>
<tr>
<td>SFL 5</td>
<td>36</td>
<td>42.5</td>
<td>36</td>
<td>SUN P 12</td>
</tr>
<tr>
<td>SFL 6</td>
<td>43</td>
<td>52.5</td>
<td>42</td>
<td>SUN P 12</td>
</tr>
<tr>
<td>SFL 7</td>
<td>50</td>
<td>62.5</td>
<td>48</td>
<td>SUN P 12</td>
</tr>
</tbody>
</table>

- 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)

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output (wood) kW</th>
<th>Heat output (coke) kW</th>
<th>Heat output (pellet) kW</th>
<th>Pellet burner matching</th>
</tr>
</thead>
<tbody>
<tr>
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<td>22.5</td>
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<td>SUN P 12</td>
</tr>
<tr>
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<td>43</td>
<td>52.5</td>
<td>42</td>
<td>SUN P 12</td>
</tr>
<tr>
<td>SFL 7</td>
<td>50</td>
<td>62.5</td>
<td>48</td>
<td>SUN P 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat input kW</th>
<th>Pellet flow-rate kW</th>
<th>Power voltage/frequency V/Hz</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUN P7</td>
<td>34,1</td>
<td>7,2</td>
<td>230/50</td>
<td>11</td>
</tr>
<tr>
<td>SUN P12</td>
<td>55,0</td>
<td>11,8</td>
<td>230/50</td>
<td>13,5</td>
</tr>
</tbody>
</table>

PELLET STORAGE BOX

Pellet container
350 lts - about 280 kgs

Pellet container
195 lts - about 180 kgs
PREXTERM RSW
PRESSURISED STEEL BOILER

QUADRA VERSION
92 ÷ 1890

TONTA VERSION
2360 ÷ 6000

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

PREXTERM RSH
HIGH EFFICIENCY PRESSURISED STEEL BOILER

QUADRA VERSION
80 ÷ 1300

TONTA 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 Heat Max Empty Width Height Depth
<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output</th>
<th>Heat input</th>
<th>Max operating pressure</th>
<th>Empty weight</th>
<th>Width</th>
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- Reverse flame boiler body, fully insulated with a 80 mm thick layer of glass wool
- High efficiency. Ranges between 94% and 96% on LCV (avg 70°C)
- Combustion chamber is completely cooled, even in the back side
- 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 Heat Max Empty Width Height Depth
<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output</th>
<th>Heat input</th>
<th>Max operating pressure</th>
<th>Empty weight</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
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</table>
PRESSURISED STEEL BOILERS

PREXTERM RS3
3-PASS FLUES STEEL BOILER

THERMO EBM
CONTROL PANELS FOR PREXTERM RANGE

* For models 70÷399, in European Community can be sold only as a replacement of an identical model.
- 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 turbulators, 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 (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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output</th>
<th>Heat input</th>
<th>Max operating pressure</th>
<th>Empty weight</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
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<td>1146 kg</td>
<td>850 mm</td>
<td>1615 mm</td>
<td>2390 mm</td>
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</table>

- 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, etc)
- Possible installation of additional modules to multiply simultaneous functions management

**EVOLOVED ELECTRONIC CONTROL BOARD**

**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
2. Burner ON switch
3. Boiler ON switch
4. Test button
5. Safety button with manual reset
6. Boiler water temperature
7. Boiler ON LED
8. 1st stage burner LED
9. 2nd stage burnerLED
10. Burner lockout LED
11. Safety pressure switch LED
12. 2nd stage control thermostat TR1
13. 1st stage control thermostat TR1
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

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

OPTIONAL

Modulating Kit
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 vacuometer 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: 263x396x408 mm - G20 1S: 407x451,5x518 mm

Two-stage dimensions (WxHxD):
G10 2S: 283x296x408 mm - G20-30: 407x414x518 mm - G50-70: 480x513x582 mm

<table>
<thead>
<tr>
<th>Single-stage model</th>
<th>Power min kW</th>
<th>max kW</th>
<th>Flow-rate min kW/h</th>
<th>max kW/h</th>
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<th>Power min 1st stage kW</th>
<th>max 2nd stage kW</th>
<th>Flow-rate min 1st stage kW/h</th>
<th>max 2nd stage kW/h</th>
</tr>
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- 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 Proxtherm 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: 283x356x407 mm

Two-stage dimensions (WxHxD):
M20-30: 407x414x518 mm - M50-70: 480x513x708 mm

<table>
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<tr>
<th>Single-stage model</th>
<th>Min power kW</th>
<th>Max power kW</th>
<th>Power input W</th>
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<th>Progressive two-stage model</th>
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</table>
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

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):**

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output max kW</th>
<th>Heat input max kW</th>
<th>Maximum DHW production Δt 25°C l/min</th>
<th>Empty weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZEFIGO C5</td>
<td>8.9</td>
<td>10.1</td>
<td>5.1</td>
<td>4.8</td>
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<tr>
<td>ZEFIGO C11</td>
<td>18.9</td>
<td>21.1</td>
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<td>9</td>
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<tr>
<td>ZEFIGO C14</td>
<td>23.8</td>
<td>26.8</td>
<td>13.7</td>
<td>13</td>
</tr>
</tbody>
</table>

- Compact heat exchanger made completely of copper, coated 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):**

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</tr>
</thead>
<tbody>
<tr>
<td>SKY C 11 B</td>
<td>19.2</td>
<td>21.7</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>SKY C 14 B</td>
<td>23.9</td>
<td>26.9</td>
<td>14</td>
<td>12</td>
</tr>
</tbody>
</table>

- 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):**

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<td>SKY F 14</td>
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<tr>
<td>SKY F 17</td>
<td>29.2</td>
<td>32.9</td>
<td>16.8</td>
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</tbody>
</table>
ELECTRIC WATER HEATERS

TITANO BF
MID CAPACITY

BLUEFOREVER ELEMENT

TITANO
MID CAPACITY

CALYPSO
MID CAPACITY
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)

<table>
<thead>
<tr>
<th>Model</th>
<th>Tank capacity</th>
<th>Power input W</th>
<th>Heating time AT 45°C</th>
<th>ErP Class</th>
<th>DHW tapping profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANO 50 VE BF</td>
<td>50</td>
<td>1500</td>
<td>1h - 51'</td>
<td>D</td>
<td>M</td>
</tr>
<tr>
<td>TITANO 80 VE BF</td>
<td>80</td>
<td>1500</td>
<td>2h - 58'</td>
<td>D</td>
<td>M</td>
</tr>
<tr>
<td>TITANO 100 VE BF</td>
<td>100</td>
<td>1500</td>
<td>3h - 42'</td>
<td>D</td>
<td>L</td>
</tr>
<tr>
<td>TITANO 120 VE BF</td>
<td>120</td>
<td>1500</td>
<td>4h - 27'</td>
<td>D</td>
<td>XL</td>
</tr>
<tr>
<td>TITANO 150 VE BF</td>
<td>150</td>
<td>1500</td>
<td>5h - 34'</td>
<td>D</td>
<td>XL</td>
</tr>
<tr>
<td>TITANO 50 HO BF</td>
<td>50</td>
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<td>1500</td>
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</tr>
<tr>
<td>TITANO 150 HO BF</td>
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<td>1500</td>
<td>5h - 34'</td>
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</tr>
</tbody>
</table>

- 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)

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<td>CALYPSO 50 VE</td>
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<tr>
<td>CALYPSO 150 VE</td>
<td>150</td>
<td>1500</td>
<td>5h - 34'</td>
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<td>XL</td>
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<tr>
<td>CALYPSO 50 HO</td>
<td>50</td>
<td>1500</td>
<td>1h - 51'</td>
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<td>M</td>
</tr>
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<td>CALYPSO 80 HO</td>
<td>80</td>
<td>1500</td>
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<td>120</td>
<td>1500</td>
<td>4h - 27'</td>
<td>D</td>
<td>L</td>
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<tr>
<td>CALYPSO 150 HO</td>
<td>150</td>
<td>1500</td>
<td>5h - 34'</td>
<td>D</td>
<td>XL</td>
</tr>
</tbody>
</table>

- Five bolt flange of wide diameter, to ensure sturdiness and easy periodical maintenance
- 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)

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<td>CALYPSO 150 VE</td>
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</tr>
<tr>
<td>CALYPSO 150 HO</td>
<td>150</td>
<td>1500</td>
<td>5h - 34'</td>
<td>D</td>
<td>XL</td>
</tr>
</tbody>
</table>
ELECTRIC WATER HEATERS

CALYPSO ECO
MID CAPACITY

CALYPSO MT
MID CAPACITY WITH AUXILIARY COIL

TITANO GREEN ST
MID CAPACITY - ENERGY SAVER
- 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

### Multi-energy water heater: includes a copper electric heating element and coil for indirect heating from an external source
- Electric or auxiliary heating can operate individually or simultaneously
- Horizontal or vertical coil, 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Tank capacity</th>
<th>Power input</th>
<th>Heating time</th>
<th>∆T 45°C</th>
<th>ErP Class</th>
<th>DHW tapping profile</th>
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<tbody>
<tr>
<td>CALYPSO ECO 50 VE</td>
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<td>M</td>
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<tr>
<td>CALYPSO ECO 80 VE</td>
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<td>1500</td>
<td>2h - 58'</td>
<td>D</td>
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<td>CALYPSO ECO 120 VE</td>
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<td>D</td>
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<td>80</td>
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<tr>
<td>CALYPSO ECO 100 HO</td>
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<td>3h - 42'</td>
<td>D</td>
<td>L</td>
<td></td>
</tr>
<tr>
<td>CALYPSO ECO 120 HO</td>
<td>120</td>
<td>1500</td>
<td>4h - 27'</td>
<td>D</td>
<td>XL</td>
<td></td>
</tr>
</tbody>
</table>

* 6 coils exchanger not available in horizontal execution

### Electric water heater with enhanced insulation, 33 mm think 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

<table>
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<tr>
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<th>Power input</th>
<th>Heating time</th>
<th>∆T 45°C</th>
<th>ErP class</th>
<th>DHW tapping profile</th>
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<tbody>
<tr>
<td>TITANO GREEN 50 ST VE</td>
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<td>TITANO GREEN 80 ST VE</td>
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<td>1200</td>
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<tr>
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<td>D</td>
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<td>D</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>TITANO GREEN 100 ST HO</td>
<td>100</td>
<td>1500</td>
<td>3h - 27'</td>
<td>D</td>
<td>31.5</td>
<td></td>
</tr>
</tbody>
</table>
CUBO
SMALL CAPACITY

BRAVO
SMALL CAPACITY

NOVO
SMALL CAPACITY
- Ultra strong ABS thermoplastic 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 Power  Heating time ErP DHW
capacity input ∆T 45°C Class 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 Power  Heating time ErP DHW
capacity input ∆T 45°C Class 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 Power  Heating time ErP DHW
capacity input ∆T 45°C Class tapping profile

**NOVO 5**
5 2000 8’ b XXS

**NOVO 5S**
5 2000 8’ B XXS

**NOVO 10**
10 2000 1h 07’ B XXS

**NOVO 10S**
10 2000 1h 07’ B XXS

* under the sink
CONTROLLERS
BASIC / EVOLVED 56

VERTICAL STORAGE CYLINDERS
ECOUNIT F 58
SYSTEM COMPLEMENTS

**ROMEO**
MODULATING REMOTE CONTROL

![ROMEO Modulating Remote Control](image1)

**OSCAR**
ON-OFF PROGRAMMABLE THERMOSTAT

![OSCAR Programmable Thermostat](image2)

**BASIC CASCADE BOARD**
BASIC CASCADE SEQUENCER FOR ON-OFF BOILERS

![BASIC CASCADE Board](image3)
- 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 Ferroli boiler with seasonal efficiency $\eta_s > 94\%$, constitutes a system marked with A+ energy label in heating operation
- 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
- 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
CASCADE CONTROLLER
EVOLVED CASCADE AND SYSTEM CONTROLLER

FZ4 ZONING CONTROLLER
FOR DIRECT OR MIXED ZONES, TO BE USED WITH ON-OFF OR OPENTHERM PROTOCOL

ECOUNIT F
INDIRECT CYLINDER - WITH SINGLE OR DOUBLE COIL

<table>
<thead>
<tr>
<th>model</th>
<th>100/150</th>
<th>200-500</th>
</tr>
</thead>
<tbody>
<tr>
<td>ErP Class</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>
- 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 output flow 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

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Total capacity litres</th>
<th>Top/bottom</th>
<th>Output (ΔT 35°C)</th>
<th>DHW production (ΔT 35°C) l/h.</th>
<th>Heat loss kWh/24h</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOUNIT F 100 1C</td>
<td>100</td>
<td>0,74</td>
<td>16,5</td>
<td>450</td>
<td>1,6</td>
</tr>
<tr>
<td>ECOUNIT F 150 1C</td>
<td>150</td>
<td>1,25</td>
<td>31,25</td>
<td>790</td>
<td>1,6</td>
</tr>
<tr>
<td>ECOUNIT F 200 1C</td>
<td>200</td>
<td>1,4</td>
<td>35</td>
<td>880</td>
<td>2,2</td>
</tr>
<tr>
<td>ECOUNIT F 300 1C</td>
<td>300</td>
<td>1,83</td>
<td>45,75</td>
<td>1120</td>
<td>2,7</td>
</tr>
<tr>
<td>ECOUNIT F 400 1C</td>
<td>400</td>
<td>2,37</td>
<td>59,25</td>
<td>1440</td>
<td>3,4</td>
</tr>
<tr>
<td>ECOUNIT F 500 1C</td>
<td>500</td>
<td>3,39</td>
<td>84,75</td>
<td>2100</td>
<td>3,7</td>
</tr>
<tr>
<td>ECOUNIT F 200 2C</td>
<td>200</td>
<td>0,5/0,83</td>
<td>12,5/20,75</td>
<td>306/516</td>
<td>2,2</td>
</tr>
<tr>
<td>ECOUNIT F 300 2C</td>
<td>300</td>
<td>0,72/1</td>
<td>16,05</td>
<td>444/616</td>
<td>2,7</td>
</tr>
<tr>
<td>ECOUNIT F 400 2C</td>
<td>400</td>
<td>1,19/1,52</td>
<td>29,6/38,1</td>
<td>726/936</td>
<td>3,2</td>
</tr>
<tr>
<td>ECOUNIT F 500 2C</td>
<td>500</td>
<td>1,19/2,2</td>
<td>29,6/55</td>
<td>726/1330</td>
<td>3,5</td>
</tr>
</tbody>
</table>
RADIATORS

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output ∆t 50°C Watt x elem.</th>
<th>Width between fittings mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/562</td>
<td>58,7</td>
<td>500</td>
</tr>
<tr>
<td>2/685</td>
<td>59,3</td>
<td>813</td>
</tr>
<tr>
<td>3/492</td>
<td>69,7</td>
<td>340</td>
</tr>
<tr>
<td>3/562</td>
<td>77,4</td>
<td>500</td>
</tr>
<tr>
<td>3/685</td>
<td>92,3</td>
<td>623</td>
</tr>
</tbody>
</table>

Section dimensions (WxD): 690x87-196,5÷130.5÷181.0 mm

- 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 alloy 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output ∆t 50°C Watt x elem.</th>
<th>Exponent</th>
<th>Constant</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>XIAN 450 N</td>
<td>90,8</td>
<td>1,30483</td>
<td>0,5508</td>
<td>431</td>
</tr>
<tr>
<td>XIAN 600 N</td>
<td>122,9</td>
<td>1,31423</td>
<td>0,719</td>
<td>581</td>
</tr>
<tr>
<td>XIAN 700 N</td>
<td>142,2</td>
<td>1,33443</td>
<td>0,7702</td>
<td>681</td>
</tr>
<tr>
<td>XIAN 800 N</td>
<td>160,2</td>
<td>1,33487</td>
<td>0,86447</td>
<td>781</td>
</tr>
</tbody>
</table>

- 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".

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat output ∆t 50°C Watt x elem.</th>
<th>Exponent</th>
<th>Constant</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROTEO 450</td>
<td>92</td>
<td>1,30565</td>
<td>0,5587</td>
<td>431</td>
</tr>
<tr>
<td>PROTEO 700</td>
<td>144</td>
<td>1,3417</td>
<td>0,7467</td>
<td>681</td>
</tr>
<tr>
<td>PROTEO 800</td>
<td>161</td>
<td>1,35387</td>
<td>0,81053</td>
<td>781</td>
</tr>
</tbody>
</table>
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

### Table: Heat Output

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat Output</th>
<th>Exponent</th>
<th>Constant</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROTEO 600 HP</td>
<td>106.6</td>
<td>1.2967</td>
<td>0.667624</td>
<td>581.5</td>
</tr>
<tr>
<td>PROTEO 700 HP</td>
<td>125.72</td>
<td>1.29403</td>
<td>0.795932</td>
<td>681.5</td>
</tr>
</tbody>
</table>

- Die-cast aluminium radiator with flat surface
- It is 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.

### Table: Heat Output

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat Output</th>
<th>Exponent</th>
<th>Constant</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUROPA 450 C</td>
<td>89.2</td>
<td>1.27784</td>
<td>0.601947</td>
<td>431</td>
</tr>
<tr>
<td>EUROPA 600 C</td>
<td>119.8</td>
<td>1.31869</td>
<td>0.688827</td>
<td>581</td>
</tr>
<tr>
<td>EUROPA 700 C</td>
<td>137.1</td>
<td>1.31598</td>
<td>0.796925</td>
<td>681</td>
</tr>
<tr>
<td>EUROPA 800 C</td>
<td>156.0</td>
<td>1.32352</td>
<td>0.801964</td>
<td>781</td>
</tr>
</tbody>
</table>

- 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
- Conectors 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

According to EN 442 with ΔT = 50°C
<table>
<thead>
<tr>
<th>Product</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOTOP VHM</td>
<td>68</td>
</tr>
<tr>
<td>ECOTRONIC</td>
<td>68</td>
</tr>
<tr>
<td>ECOUNIT F</td>
<td>68</td>
</tr>
<tr>
<td>ECOUNIT 750-2000</td>
<td>70</td>
</tr>
<tr>
<td>ECOTANK</td>
<td>70</td>
</tr>
<tr>
<td>ECOMULTI</td>
<td>70</td>
</tr>
<tr>
<td>IDRO</td>
<td>72</td>
</tr>
<tr>
<td>FERSOL SOLAR FLUID</td>
<td>72</td>
</tr>
<tr>
<td>THERMOSTATIC MIXING VALVE</td>
<td>72</td>
</tr>
</tbody>
</table>
THERMAL SOLAR

ECOTOP VHM
FLAT SOLAR COLLECTOR FOR FORCED FLOW SYSTEMS

ECOTRONIC
SOLAR CONTROL UNITS

ECOTRONIC PLUS

ECOTRONIC TECH

ECOUNIT F
INDIRECT CYLINDER - WITH SINGLE OR DOUBLE COIL
**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
- ¾” 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 m²** | **Aperture m²** | **Stagnation temperature °C** | **Optical efficiency %**
---|---|---|---|---
ECOTOP VHM 2.1 | 2.09 | 1.82 | 205 | 80.8
ECOTOP VHM 2.7 | 2.66 | 2.36 | 205 | 82.1

**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 multi-function 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: 500x786 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 Surface m²** | **Output (AT 35°C) kW** | **DHW production (AT 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 | 1,6
ECOUNIT F 200 1C | 200 | 1,4 | 35 | 860 | 2,2
ECOUNIT F 300 1C | 300 | 1,92 | 45,75 | 1120 | 2,7
ECOUNIT F 400 1C | 400 | 2,27 | 59,25 | 1440 | 2,9
ECOUNIT F 500 1C | 500 | 2,59 | 71,25 | 1680 | 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 | 3,5
ECOUNIT F 500 2C | 500 | 1,19/2,2 | 29,6/55 | 726/1350 | 3,5
THERMAL SOLAR

ECOUNIT 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

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Total Capacity</th>
<th>Top/bottom exch. surface</th>
<th>Output (Δt 35°C)</th>
<th>DHW production</th>
<th>Max. operating pressure</th>
<th>Max operat temper.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lt</td>
<td>m²</td>
<td>kW</td>
<td>l/h</td>
<td>bar</td>
<td>°C</td>
</tr>
<tr>
<td>ECOUNIT 750-2C</td>
<td>760</td>
<td>1.6/2.7</td>
<td>40/68</td>
<td>1000/1700</td>
<td>10/6</td>
<td>95</td>
</tr>
<tr>
<td>ECOUNIT 1000-2C</td>
<td>900</td>
<td>1.6/3.0</td>
<td>40/75</td>
<td>1000/1800</td>
<td>10/6</td>
<td>95</td>
</tr>
<tr>
<td>ECOUNIT 1500-2C</td>
<td>1800</td>
<td>1.8/3.4</td>
<td>47/88</td>
<td>1200/2200</td>
<td>6/6</td>
<td>95</td>
</tr>
<tr>
<td>ECOUNIT 2000-2C</td>
<td>2300</td>
<td>2.8/4.6</td>
<td>73/120</td>
<td>1800/2900</td>
<td>6/6</td>
<td>95</td>
</tr>
</tbody>
</table>

### Dimensions

- Model Total Top/bottom Output DHW production Max. Max operat
  | capacity | exch. surface | (∆t 35°C) | l/h | operating press | temper. |
  | lt       | m²            | kW        |     | bar            | °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 | 1800 | 1.8/3.4 | 47/88 | 1200/2200 | 6/6 | 95 |
  | ECOUNIT 2000-2C | 2300 | 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

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Total Capacity</th>
<th>Top/bottom exch. surface</th>
<th>Output (Δt 35°C)</th>
<th>DHW storage volume</th>
<th>Maximum operating pressure</th>
<th>Max operat temper.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lt</td>
<td>m²</td>
<td>kW</td>
<td>l</td>
<td>bar</td>
<td>°C</td>
</tr>
<tr>
<td>ECOTANK 800</td>
<td>780</td>
<td>(1,8)/2.7</td>
<td>(36)/68</td>
<td>205</td>
<td>6/6/3</td>
<td>95</td>
</tr>
<tr>
<td>ECOTANK 1500</td>
<td>1450</td>
<td>(3)/3.3</td>
<td>(36)/68</td>
<td>350</td>
<td>6/6/3</td>
<td>95</td>
</tr>
</tbody>
</table>

### Dimensions

- Model Total Top/bottom Output DHW storage Maximum Max operat
  | capacity | exch. surface | (∆t 35°C) | l | operating pressure | temper. |
  | lt       | m²            | kW        |  | bar               | °C     |
  | ECOTANK 800 | 780 | (1,8)/2.7 | (36)/68 | 205 | 6/6/3 | 95 |
  | ECOTANK 1500 | 1450 | (3)/3.3 | (36)/68 | 350 | 6/6/3 | 95 |

- 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

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Total Capacity</th>
<th>Top/bottom heat excl.</th>
<th>Output (Δt 35°C)</th>
<th>DHW production</th>
<th>Maximum operating pressure</th>
<th>Max operat temper.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lt</td>
<td>m²</td>
<td>kW</td>
<td>l/h</td>
<td>bar</td>
<td>°C</td>
</tr>
<tr>
<td>ECOMULTI 600</td>
<td>580</td>
<td>2.0/2.0</td>
<td>34/48</td>
<td>1/1.2</td>
<td>6/6/3</td>
<td>95</td>
</tr>
<tr>
<td>ECOMULTI 800</td>
<td>810</td>
<td>2.0/2.5</td>
<td>42/75</td>
<td>1.0/1.5</td>
<td>6/6/3</td>
<td>95</td>
</tr>
<tr>
<td>ECOMULTI 1000</td>
<td>910</td>
<td>2.0/3.0</td>
<td>42/75</td>
<td>1.0/1.5</td>
<td>6/6/3</td>
<td>95</td>
</tr>
</tbody>
</table>

- *DHW / exchangers / heating

### Dimensions

- Model Total Top/bottom Output DHW production Maximum Max operat
  | capacity | heat excl. m² | (∆t 35°C) | l/h | operating pressure | temper. |
  | lt       | m²            | kW        |  | bar               | °C     |
  | ECOMULTI 600 | 580 | 2.0/2.0 | 34/48 | 1/1.2 | 6/6/3 | 95 |
  | ECOMULTI 800 | 810 | 2.0/2.5 | 42/75 | 1.0/1.5 | 6/6/3 | 95 |
  | ECOMULTI 1000 | 910 | 2.0/3.0 | 42/75 | 1.0/1.5 | 6/6/3 | 95 |

- *DHW / exchangers / heating
THERMAL SOLAR

IDRO
SOLAR PUMP STATION

INNER VIEW (mod. 30-70)

EXTERNAL VIEW (mod. 12)

LODGING FOR ECOTRONIC CONTROLLER

FERSOLO SOLAR FLUID
PREMIXED

THERMOSTATIC MIXING VALVE
SOLAR APPLICATION UP TO 100°C
- High efficiency circulator with built-in autodiagnostics
- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated fitting diameter</th>
<th>Min/max flow-rate ft/min</th>
<th>Max operating pressure bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDRO 12 Easy</td>
<td>ø 18 - 3/4&quot; M</td>
<td>2 - 12</td>
<td>8</td>
</tr>
<tr>
<td>IDRO 12</td>
<td>ø 18 - 3/4&quot; M</td>
<td>2 - 12</td>
<td>8</td>
</tr>
<tr>
<td>IDRO 30</td>
<td>DN25 / 1&quot;F</td>
<td>10 - 30</td>
<td>8</td>
</tr>
<tr>
<td>IDRO 70</td>
<td>DN32 / 1 1/4&quot;F</td>
<td>20 - 70</td>
<td>8</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Content</th>
<th>Protection down to (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FERSOL LT</td>
<td>5</td>
</tr>
<tr>
<td>FERSOL LT</td>
<td>25</td>
</tr>
<tr>
<td>FERSOL ULTRA LT</td>
<td>5</td>
</tr>
<tr>
<td>FERSOL ULTRA LT</td>
<td>25</td>
</tr>
</tbody>
</table>
HEAT PUMPS FOR DHW PREPARATION
AQUA1 PLUS
HEAT PUMPS

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Thermal output W(1)</th>
<th>Power input W(1)</th>
<th>COP</th>
<th>Efficiency class</th>
<th>Heat loss W(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 (200 SOL)</td>
<td>1800</td>
<td>460</td>
<td>3.91</td>
<td>A+</td>
<td>2.55</td>
</tr>
<tr>
<td>300 (300 SOL)</td>
<td>1800</td>
<td>460</td>
<td>3.91</td>
<td>A</td>
<td>3.84</td>
</tr>
</tbody>
</table>

Control board is based 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.

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.

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(1) ISO 255-3
(2) EN 16147:2011 Heating operation: Temperatures = 15°C B.S. / 12°C B.U. - Cold water temperature = 10°C
Air ionizer

- Electro-static filters, active-carbon, supplied as standard
- Anti-bacteria filters
- Swing function (motor-assisted air deflector on internal unit)
- Timer
- Re-start in case of black-out, with settings memory
- AUTO MODE: automatic activation of Cool/Heat function depending on room temperature and setpoint
- DRY MODE: improve summer dehumidification process
- FAN MODE: Appliance is working only as a blower fan
- Self-adjustment of fan's speed
- NIGHT MODE (SLEEP): improves night comfort by self-adjustment of fan’s speed and setpoint
- TURBO MODE: Operation at full capacity for a quick reaching of setpoint
- Pump for condensate relief as a standard in the internal unit
- Auto-clean function: internal exchanger is dried after cooling or dry mode, thus avoiding bad smell to arise
- Cooling mode possible also with -15°C as outside temperature
- Alert system for coolant leakage
- Autodiagnostic system with indication of eventual anomalies
- All products are ROHS compatible according to 2002/95/CE Directive
- FRIGERANT GCO-FRIENDLY
- R410A ecological coolant. Complies with Montreal protocol, CFC-free, thus harmless to ozone layer
- R134A ecological coolant. Complies with Montreal protocol, CFC-free, thus harmless to ozone layer
- All products identified by the present logo are EUROVENT certified
- DC INVERTER technology. Direct current compressor installed on the unit ensure a 30% higher electro-mechanical efficiency than TRADITIONAL (AC) INVERTERS
- Universal internal units: can be matched to single or multisplit appliances
- Frost safety protection: 8°C as indoor setpoint

**SYMBOLS KEY**

Intra-red remote control

- Electro- static filters, active-carbon, supplied as standard
- Product identified by the present logo are EUROVENT certified
- Efficiency standard compatible with 2014 prescriptions
- All products are ROHS compatible according to 2002/95/CE Directive
- INFRA-RED remote control

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Cooling capacity (1) (Watt)</th>
<th>Thermal capacity (2) (Watt)</th>
<th>Power input (1) (Watt)</th>
<th>Efficiency class 2009/125/CE directive cooling</th>
<th>Nominal match</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTER M</td>
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<tr>
<td>18-2 E.U.</td>
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<td>7000</td>
<td>2100</td>
<td>A++</td>
<td>7+9</td>
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<td>7 I.U.</td>
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<td>12 I.U.</td>
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<td>5130</td>
<td>5270</td>
<td>-</td>
<td>A+</td>
<td>-</td>
</tr>
</tbody>
</table>

(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. / B.U.

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### Product Features

- **Ecological refrigerant R410A** - Energy efficiency class level A++ / A +
- **Wide combinations options**
- **Indoor units with large led display**
- **Equipped with inverter technology DC**
- **Rust-proofing agent**
- **Air filter easibily accessible, can be regeneratred simple by washing with water**
- **Fan assembly with 3 speed motor and aluminium fan**
- **Fan assembly with 3 speed motor and aluminium fan**
- **Night-time / Automatic operation mode**
- **New version with IR remote control**

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### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Cooling capacity (1) (Watt)</th>
<th>Thermal output (2) (Watt)</th>
<th>Unit VM-B weight (kg)</th>
<th>Unit FM-F weight (kg)</th>
<th>Unit VN weight (kg)</th>
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</thead>
<tbody>
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<td>14500</td>
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<td>34</td>
<td>1440x54x520</td>
</tr>
</tbody>
</table>

(1) Room temperature 2°C C.B. / 19°C W.B - Inlet water temperature 7°C C.U. at max. fan's speed
(2) Room temperature 20°C - Inlet water temperature 70°C Δ10°C at max. fan's speed
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.