HERCULES Condensing 26 2 E / 32 2 I
HERCULES Condensing ABT 32 2 I

Floor standing boiler

HERCULES Condensing 26 2 E / 32 2 I is the floor standing condensing boiler with sealed chamber, 120 litre stainless steel storage tank unit, available in two versions with nominal heat output of 26 kW and 32 kW, which assures high production of domestic hot water in order to mange several simultaneous withdrawals or whirlpool baths; the storage tank unit is prepared for coupling to solar panels (kit optional).
Thanks to condensation technology, it is characterised for its high efficiency, large field of modulation (20÷100% of the nominal heat output) and the particularly reduced pollutant emissions (class 5 - envisioned by the European Standards). HERCULES Condensing 26 2 E / 32 2 I can operate in systems with zones controlled by pumps: it is, in fact, prepared to house the pumps necessary to control up to 3 zones on the heating system inside the casing.
It is also prepared for the realisation of mixed systems: one high temperature zone (e.g. radiators) and two low temperature zones (e.g. floor radiating panels) by inserting the optional kit inside the casing (including pumps and mixer valves).
The temperature of the flow water onto the low temperature zones can be adjusted on the boiler control panel (whenever functioning with variable temperature is not envisioned) from 25 to 50°C.
The boiler is distinguished for the **possibility for coupling to the exclusive Super CAR and to the external probe** (both optional features), which allow to manage, control and program the boiler at a distance with extreme simplicity, thus optimising functioning through climatic heat adjustment.

1 HERCULES Condensing 26 2 E / 32 2 I FEATURES

Floor standing condensing boiler for central heating and the production of DHW, with sealed chamber and fan-assisted with nominal heat output of 23.9 kW (20,554 kcal/h) in CH mode (25.8 kW in DHW mode) or 32 kW (27,520 kcal/h) ecological with high efficiency. By varying the type of installation the classification of the boiler also varies.
Open chamber and fan assisted (appliance type B_{23}) - if installed using a relevant kit (optional).
Sealed chamber and fan assisted (appliance type C_{13}/C_{33}/C_{43}/C_{53}/C_{83}) - if installed using the vertical or horizontal concentric kits or the separator kit Ø 80/80.
Both models are made up from:

- total pre-mixing combustion system with steel multigas burner, complete with ignition electrodes and ionisation control;
- pneumatic gas valve with double shutter;
- stainless steel primary gas/water exchanger coil;
- combustion chamber in stainless steel internally isolated using ceramic panels;
- fan for flue evacuation with electronically variable speed;
- circuit for disposal of condensate including trap and flexible discharge pipe;
- 120 litre stainless steel storage tank unit, flanged and insulated using self-extinguishing polystyrene, with 2 internal stainless steel double concentric coil water/water heat exchangers. Storage tank unit drain valve, DHW circuit 5 litre expansion vessel with factory-set pressure of 3.5 bar, 8 bar safety valve and preparation for pump;
- Hydraulic unit composed of an electric 3-way valve, hydraulic manifold with air separating device incorporated, boiler primary pump with air separating device incorporated, zone 1 system flow pump, absolute pressure switch for primary circuit, automatic by-pass, system drain fitting and system filling valve;
- 12 litre (real 10.8) diaphragm expansion vessel with 1.0 bar factory-set pressure and manometer, primary circuit safety valve at 3 bar;
- water overheating safety thermostat and flue overheating safety thermostat;
- control panel with Stand-by/On button, functioning mode button (Summer/Winter), DHW priority temporary inhibition button, Reset/exit programming menu button, programming menu entry/data confirmation button, central heating system temperature adjustment selector, domestic hot water temperature adjustment selector;
- P.C.B. with microprocessor with 2 sensor continuous flame modulation (CH and DHW) with P.I.D. control, with modulation field:
  - 26 kW model from 23.9 to 4.7 kW (from 20,554 to 4,042 kcal/h) (25.8 kW in DHW mode),
  - 32 kW model from 32.0 to 6.9 kW (from 27,520 to 5,934 kcal/h;
- CH temperature range selection from min. = 25-50 °C to max = set min. +5 °C-85 °C (standard setting 25-85 °C);
- electronic ignition with ionisation control;
- self-diagnostics system with digital display of the operating status and anomalies by means of a back-lit display;
- setting of the boiler functioning parameters using buttons and selectors with display of status and operating mode by means of a back-lit display;
- ignition retarder in central heating mode, anti-freeze protection system, pump anti-block device function, post-ventilation function, chimney sweep function, pump functioning mode selection; preparation for connection to Super CAR, CAR and timer, external probe and P.C.B. for high or low temperature zone systems;
- IPX5D electric insulation rating.
- possibility of coupling to the system for ducting of existing flues Ø 60 mm and Ø 80 mm.

Supplied with sample points for combustion analysis, connection unit with depth-adjustable fittings gas interception and domestic cold water cocks.

Category II_{2H3p} / $II_{2H3B/p}$, appliance, functions with a natural gas and L.P.G. CE Marking.
It is available in the model:

- **Hercules Condensing 26 2 E** **code 3.019196**
- **Hercules Condensing 32 2 I** **code 3.019197**

NOTA BENE: *for correct installation of the boiler the Immergas "Green Range" air intake/flue exhaust kit must be used.*

HERCULES Condensing 26 2 E / 32 2 I
HERCULES Condensing ABT 32 2 I

HERCULES Condensing ABT 32 2 I is the floor standing condensing boiler with sealed chamber, 120 litre stainless steel storage tank unit, with nominal heat output of 32 kW, which assures high production of domestic hot water in order to mange several simultaneous withdrawals or whirlpool baths; the storage tank unit is prepared for coupling to solar panels (kit optional). Thanks to condensation technology, it is characterised for its high efficiency, large field of modulation (20÷100% of the nominal heat output) and the particularly reduced pollutant emissions (class 5 - envisioned by the European Standards).
HERCULES Condensing ABT 32 2 I **is prepared to operate in mixed systems with differentiated temperature**: for example, it is ideal for managing a system divided into two areas of which one at low temperature (e.g. floor radiating panels) and one at high temperature (in bathrooms or in rooms that are not greatly used, such as mansards or taverns, classic radiators are often inserted). The temperature of the flow water to the low temperature zone can be adjusted from the boiler control panel (whenever functioning with variable temperature is not envisioned) from 25 to 50°C. The boiler is distinguished for the **possibility for coupling to the exclusive Super CAR and to the external probe** (both optional features), which allow to manage, control and program the boiler at a distance with extreme simplicity, thus optimising functioning through climatic heat adjustment.

1.1 HERCULES Condensing ABT 32 2 I FEATURES

Floor standing condensing boiler for central heating and the production of domestic hot water with sealed chamber and fan assisted with nominal heat output of 32 kW (27,520 kcal/h), ecological with high performance. By varying the type of installation the classification of the boiler also varies.
Open chamber and fan assisted (appliance type B_{23}) - if installed using a relevant kit (optional).
Sealed chamber and fan assisted (appliance type C_{13}/C_{33}/C_{43}/C_{53}/C_{83}) - if installed using the vertical or horizontal concentric kits or the separator kit Ø 80/80.
The boiler is made up of:

- total pre-mixing combustion system with steel multigas burner, complete with ignition electrodes and ionisation control;
- pneumatic gas valve with double shutter;
- stainless steel primary gas/water exchanger coil;
- combustion chamber in stainless steel internally isolated using ceramic panels;
- fan for flue evacuation with electronically variable speed;
- circuit for disposal of condensate including trap and flexible discharge pipe;
- 120 litre stainless steel storage tank unit, flanged and insulated using self-extinguishing polystyrene, with 2 internal stainless steel double concentric coil water/water heat exchangers. Storage tank unit drain valve, DHW circuit 5 litre expansion vessel with factory-set pressure of 3.5 bar, 8 bar safety valve and preparation for pump;
- hydraulic unit composed of an electric 3-way valve, hydraulic manifold with air separating device incorporated, boiler primary pump with air separating device incorporated, high temperature zone flow pump, low temperature zone flow pump, mixer valve, absolute pressure switch for primary circuit, automatic by-pass, system drain fitting and system filling valve;
- 12 litre (real 10.8) diaphragm expansion vessel with 1.0 bar factory-set pressure and manometer, primary circuit safety valve at 3 bar;
- water overheating safety thermostat and flue overheating safety thermostat;
- flow probe and low temperature zone safety thermostat;
- control panel with Stand-by/On button, functioning mode button (Summer/Winter), DHW priority temporary inhibition button, Reset/exit programming menu button, programming menu entry/data confirmation button, central heating system temperature adjustment selector, domestic hot water temperature adjustment selector.
- P.C.B. with microprocessor with 2 sensor continuous flame modulation (CH and DHW) with P.I.D. control, modulation field from 32 kW to 6.9 kW (from 27,520 a 5,934 kcal/h);
- CH temperature range selection from min. = 25-50 °C to max = set min. +5 °C-85 °C (standard setting 25-85 °C);
- electronic ignition with ionisation control;
- self-diagnostics system with digital display of the operating status and anomalies by means of a back-lit display;
- setting of the boiler functioning parameters using buttons and selectors with display of status and operating mode by means of a back-lit display;
- ignition retarder in central heating mode, anti-freeze protection system, circulator anti-block device function, post-ventilation function, chimney sweep function, circulator functioning mode selection; preparation for connection to Super CAR, CAR and timer, external probe;
- P.C.B for low temperature system;
- IPX5D electric insulation rating;
- possibility of coupling to the system for ducting of existing flues Ø 60 mm and Ø 80 mm.

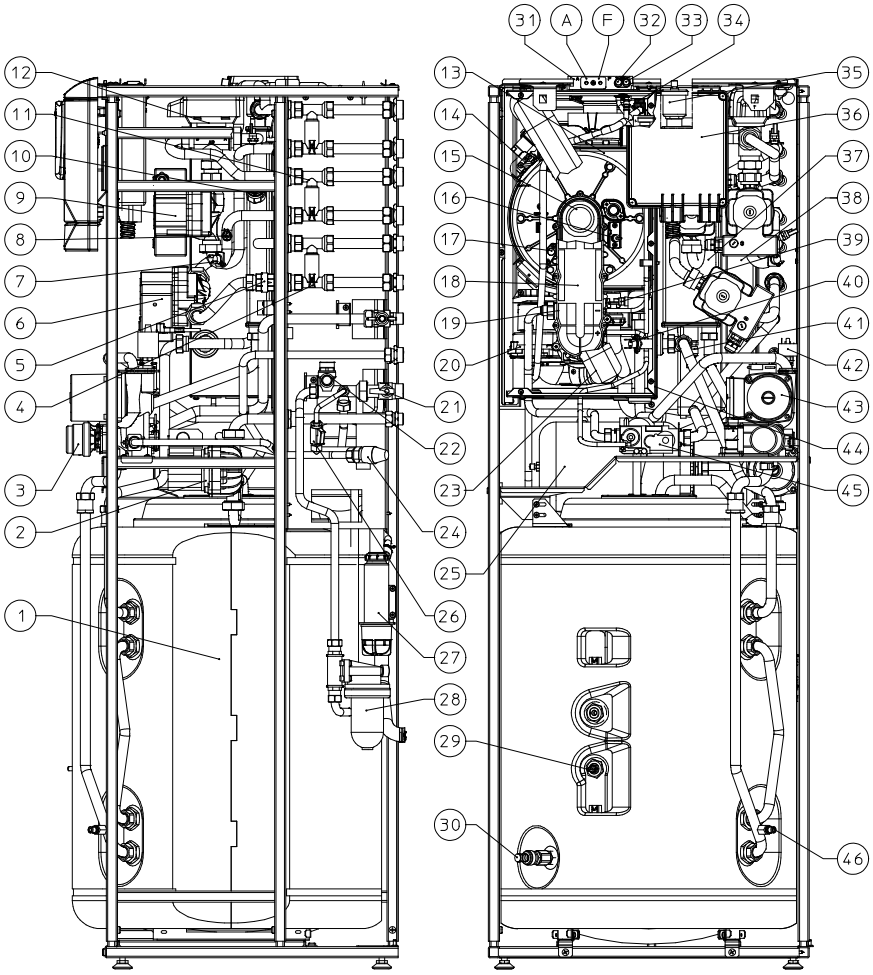
Supplied with sample points for combustion analysis, connection unit with depth-adjustable fittings gas interception and domestic cold water cocks.

Category II_{2H3p} / $II_{2H3B/p}$, appliance, functions with a natural gas and L.P.G. CE Marking.
It is available in the model:

- **HERCULES Condensing ABT 32 2 I** **code 3.019198**

NOTA BENE: *for correct installation of the boiler the Immergas "Green Range" air intake/flue exhaust kit must be used.*

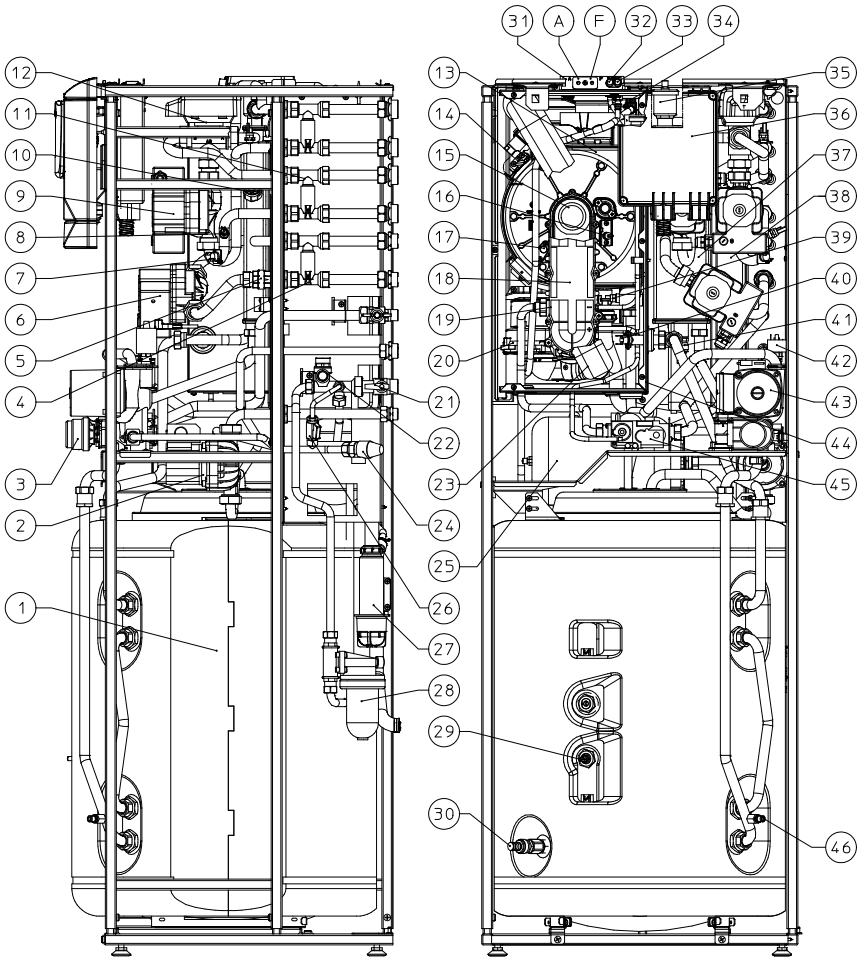
2 HERCULES Condensing 26 2 E / 32 2 I MAIN COMPONENTS



KEY:

1 - Stainless steel storage tank unit
2 - DHW recirculation pump (optional)
3 - Three-way valve (motorised)
4 - Zone 1 by-pass
5 - Zone 1 one-way valve
6 - Zone 1 pump
7 - Safety thermostat (Low temperature) (optional)
8 - Flow probe (Low temperature) (optional)
9 - Zone 2 pump (optional)
10 - Zone 2 one-way valve (optional)
11 - Zone 2 by-pass (optional)
12 - Mixer valve (optional)
13 - Condensation module
14 - Flue safety thermostat
15 - Burner
16 - Ignition electrode
17 - Detection electrode
18 - Venturi
19 - Gas nozzle
20 - Fan
21 - Cold water inlet valve
22 - 8 bar safety valve
23 - Air intake pipe
24 - 3 bar safety valve
25 - D.H.W. expansion vessel
26 - System filling valve
27 - Condensate drain trap
28 - Polyphosphate dispenser (optional)
29 - Domestic hot water probe
30 - Storage tank unit draining valve
31 - Sample points (air A) - (flue gas F)
32 - Positive signal pressure point
33 - Negative signal pressure point
34 - Manual air vent valve
35 - Air vent valve
36 - Zones management electric attachment box (optional)
37 - Hydraulic manifold
38 - System expansion vessel
39 - Delivery probe
40 - Safety thermostat
41 - Manifold draining valve
42 - System pressure switch (absolute)
43 - Boiler Pump
44 - Sealed Chamber
45 - Gas valve
46 - System draining valve

2.1 HERCULES Condensing ABT 32 2 I MAIN COMPONENTS



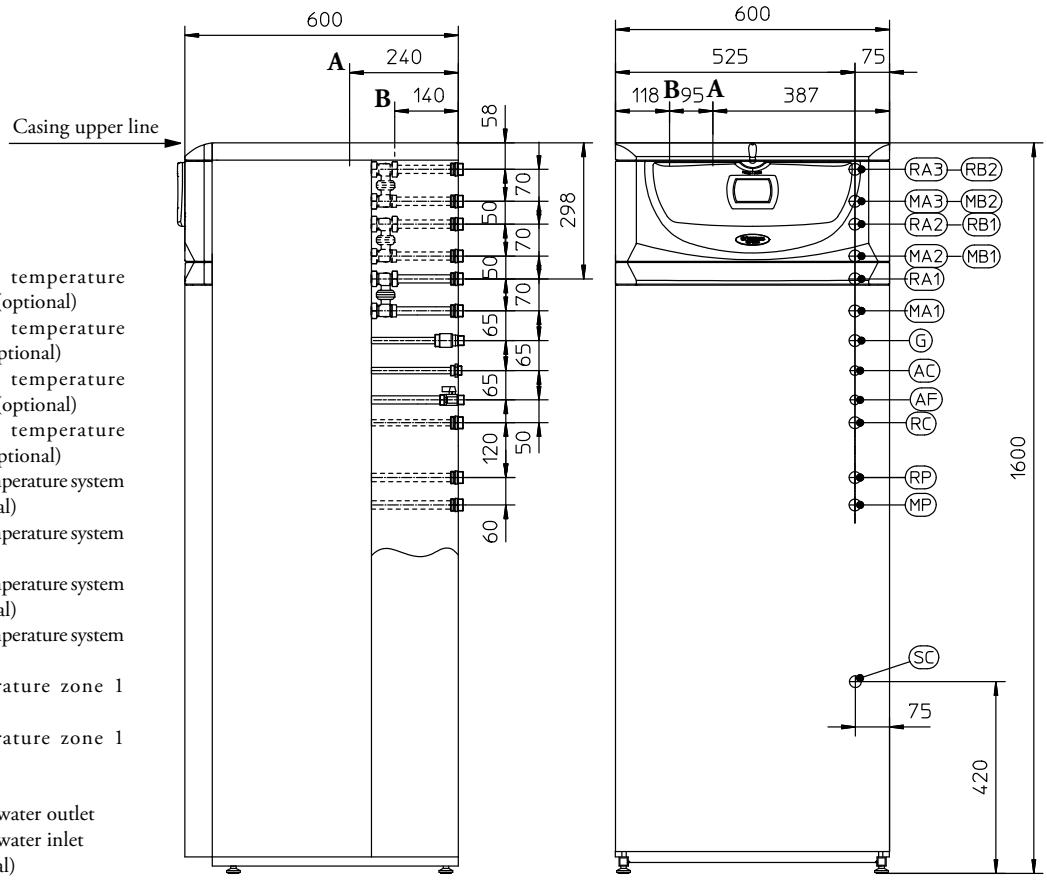
KEY:

1 - Stainless steel storage tank unit
2 - DHW recirculation pump (optional)
3 - Three-way valve (motorised)
4 - High temp. zone automatic by-pass
5 - High temp. zone one-way valve
6 - High temperature zone system pump
7 - Low temperature safety thermostat
8 - Low temp. flow probe
9 - Low temperature zone system pump
10 - Low temp. zone one-way valve
11 - Low temp. zone automatic by-pass
12 - Mixer valve
13 - Condensation module
14 - Flue safety thermostat
15 - Burner
16 - Ignition electrode
17 - Detection electrode
18 - Venturi
19 - Gas nozzle
20 - Fan
21 - Cold water inlet valve
22 - 8 bar safety valve
23 - Air intake pipe
24 - 3 bar safety valve
25 - D.H.W. expansion vessel
26 - System filling valve
27 - Condensate drain trap
28 - Polyphosphate dispenser (optional)
29 - Domestic hot water probe
30 - Storage tank unit draining valve
31 - Sample points (air A) - (flue gas F)
32 - Positive signal pressure point
33 - Negative signal pressure point
34 - Manual air vent valve
35 - Air vent valve
36 - Zones management electric attachment box
37 - Hydraulic manifold
38 - System expansion vessel
39 - Delivery probe
40 - Safety thermostat
41 - Manifold draining valve
42 - System pressure switch (absolute)
43 - Boiler Pump
44 - Sealed Chamber
45 - Gas valve
46 - System draining valve

3 HERCULES Condensing 26 2 E / 32 2 I MAIN DIMENSIONS

Model	Height mm	Width mm	Depth mm	Ø intake/exhaust mm
HERCULES Condensing	1600	600	600	100/60

3.1 CONNECTIONS



KEY:
- RA3 - Zone 3 high temperature system return (optional)
- MA3 - Zone 3 high temperature system flow (optional)
- RA2 - Zone 2 high temperature system return (optional)
- MA2 - Zone 2 high temperature system flow (optional)
- RB2 - Zone 2 low temperature system return (optional)
- MB2 - Zone 2 low temperature system flow (optional)
- RB1 - Zone 1 low temperature system return (optional)
- MB1 - Zone 1 low temperature system flow (optional)
- RA1 - High temperature zone 1 system return
- MA1 - High temperature zone 1 system flow
- G - Gas supply
- AC - Domestic hot water outlet
- AF - Domestic hot water inlet
- RC - Pump (optional)
- RP - Return from solar panels (optional)
- MP - Flow from solar panels (optional)
- SC - Condensate drain (minimum internal diameter Ø 13 mm)

A = intake/exhaust **B** = intake
Distance between the casing upper line and separator bend axis Ø 60/100: **75 mm**
Distance between the casing upper line and concentric bends axis Ø 80/80:
A= 115 mm; B = 90 mm

A hatch is made in the right side to access the hydraulic connections.
Install the boiler at min. 300 mm from the right wall.

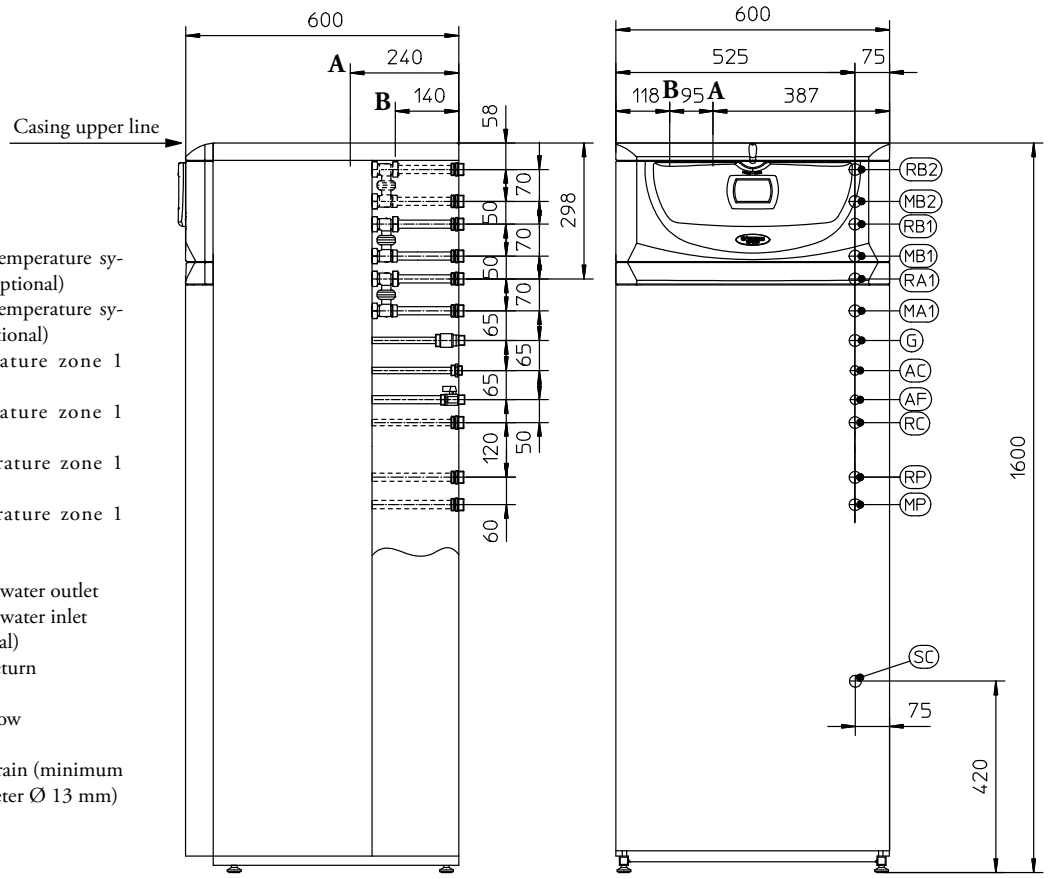
Model	MA1 RA1	MA2-MA3 RA2-RA3 (optional)	MB1-MB2 RB1-RB2 (optional)	AC AF	RC (optional)	MP-RP (optional)	G	Expansion vessel Litres
HERCULES Condensing	3/4"	3/4"	1"	3/4"	1/2"	3/4"	1/2"	12 (real 10,8)

4 HERCULES Condensing ABT 32 2 I MAIN DIMENSIONS

Model	Height mm	Width mm	Depth mm	Ø intake/exhaust mm
HERCULES Condensing ABT 32 2 I	1600	600	600	100/60

4.1 CONNECTIONS

KEY:
- RB2 - Zone 2 low temperature system return (optional)
- MB2 - Zone 2 low temperature system flow (optional)
- RB1 - Low temperature zone 1 system return
- MB1 - Low temperature zone 1 system flow
- RA1 - High temperature zone 1 system return
- MA1 - High temperature zone 1 system flow
- G - Gas supply
- AC - Domestic hot water outlet
- AF - Domestic hot water inlet
- RC - Pump (optional)
- RP - Solar panels return (optional)
- MP - Solar panels flow (optional)
- SC - Condensate drain (minimum internal diameter Ø 13 mm)



A = intake/exhaust **B** = intake
Distance between the casing upper line and separator bend axis Ø 60/100: **75 mm**
Distance between the casing upper line and concentric bends axis Ø 80/80:
A= 115 mm; B = 90 mm

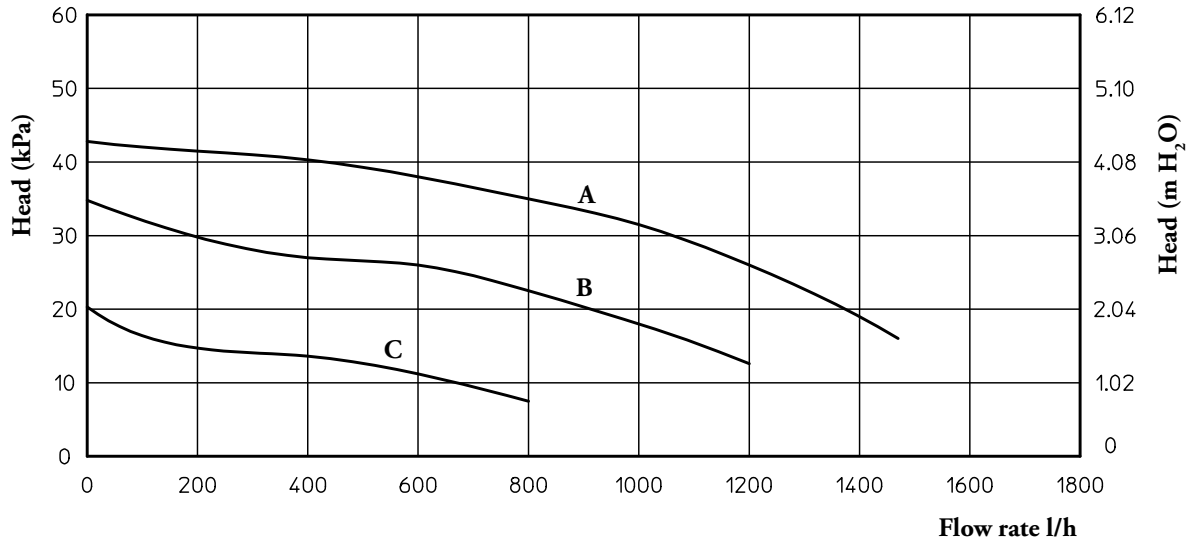
A hatch is made in the right side to access the hydraulic connections.
Install the boiler at min. 300 mm from the right wall.

Model	MA1 RA1	MB1 RB1	MB2 RB2 (optional)	AC AF	RC (optional)	MP-RP (optional)	G	Expansion vessel Litres
HERCULES Condensing ABT 32 2 I	3/4"	1"	1"	3/4"	1/2"	3/4"	1/2"	12 (real 10,8)

5 SYSTEM FLOW PUMP HEAD FLOW RATE GRAPHICS

The HERCULES Condensing 26 2 E / 32 2 I and HERCULES Condensing ABT 32 2 I boilers are equipped as per standard with a primary pump, adjustable over 3 fixed speeds, positioned upstream from the hydraulic manifold, which exchanges heat on the DHW storage tank unit coil.
Downstream from the hydraulic manifold, the boilers are supplied with an electronic low consumption relaunch pump to the plant, whose flow rate/head features are stated in the graphics below.
The HERCULES Condensing ABT 32 2 I boilers are equipped as per standard with a further electronic low consumption pump with mixer valve, whose flow rate/head features are shown in the graphics on page 9.

ASKOLL 3VS 15 - 25/53



A - Head available to the system with the standard pump (1st zone) at maximum speed
B - Head available to the system with the standard pump (1st zone) at speed 4,5 (factory setting)
C - Head available to the system with the standard pump (1st zone) at speed 3

6 DETERMINATION OF THE HEAD AVAILABLE TO THE ZONES WITH KITS FOR SYSTEMS WITH 2 OR 3 HIGH TEMPERATURE ZONES

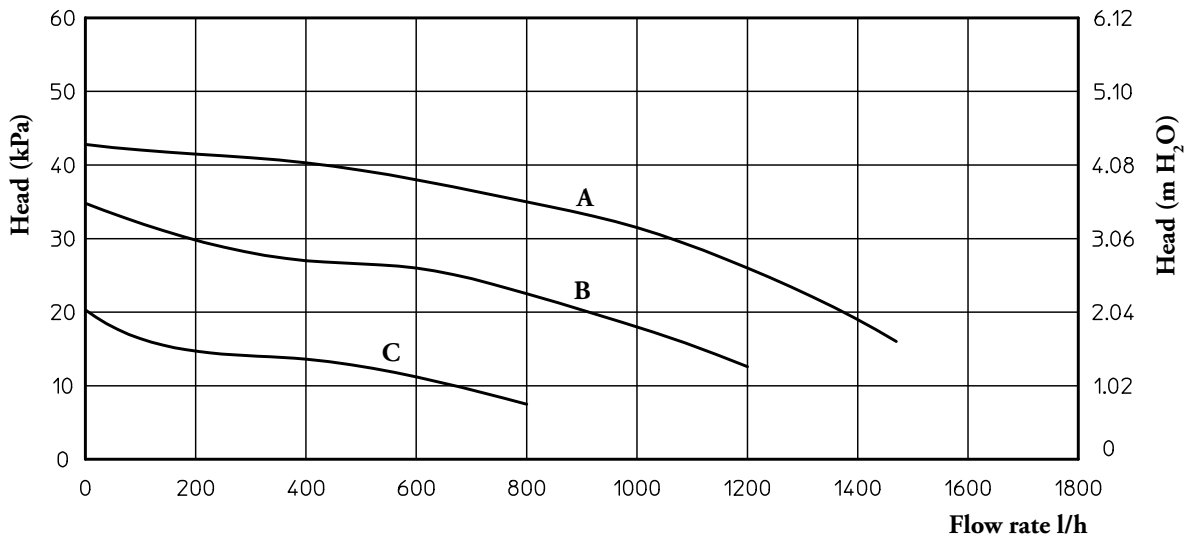
The HERCULES Condensing 26 2 E / 32 2 I range boilers are prepared for zone systems and can contain up to three electronic low consumption pumps inside the casing, for coupling with just as many zones.
To determine the head available for the individual zones the graphics shown below has been realised.
The graphics that follow are relative to the use of the optional pumps supplied by Immergas in the appropriate kits (ASKOLL 3VS 15 - 25 /53 type pumps).

In fact, two different kits are available:

Cod. 3.018837: for systems with two zones, made up from a pump, a by-pass, management P.C.B., pipes and connection fittings.

Cod. 3.018838: for systems with three zones, made up from two pumps, two by-passes, management P.C.B., pipes and connection fittings.

Flow rate/head graphics available to the system with additional High Pressure zones.



A - Head available to the additional zones (2nd and 3rd zone) at maximum speed
B - Head available to the additional zones (2nd and 3rd zone) at speed 4,5
C - Head available to the additional zones (2nd and 3rd zone) at speed 3

7 DETERMINATION OF THE HEAD AVAILABLE TO THE ZONES WITH THE KIT FOR SYSTEMS WITH 2 OR 3 LOW TEMPERATURE ZONES

The HERCULES Condensing 26 2 E / 32 2 I version is prepared for the realisation of mixed systems at differentiated temperature (e.g.: a radiators zone plus one or two low temperature zones with radiating panels (on the floor) inserting the 2 or 3 low temperature zones kit (optional) inside the casing.

To determine the head available for the individual zones the graphics shown below has been realised.

The graphics that follow are relative to the use of the optional electronic low consumption pumps supplied by Immergas in the appropriate kits (ASKOLL 3VS 15 - 25 /53 type pumps).

In fact, two different kits are available:

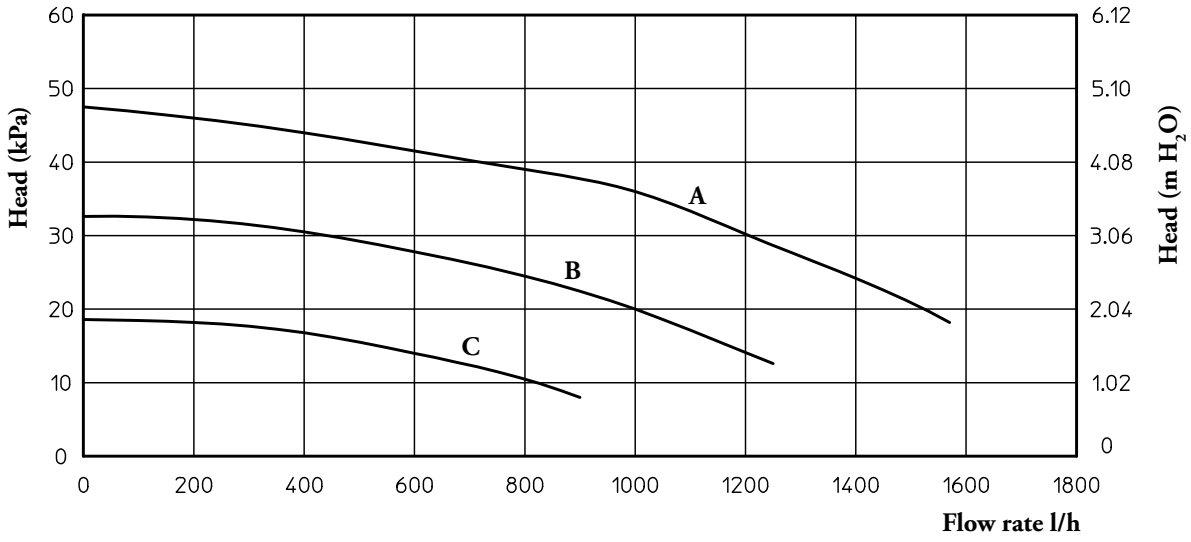
Cod. 3.018836: made up from a pump, mixer valve, one by-pass, management P.C.B. pipes and connection fittings, temperature control probes.

N.B.: This kit is already installed as standard in the HERCULES Condensing ABT 32 2 I version.

Cod. 3.020003: made up from two pumps, two mixer valves, two by-passes, management P.C.B. pipes and connection fittings, temperature control probes.

N.B.: For the HERCULES Condensing ABT 32 2 I model, where a high temperature zone, a low temperature zone and the management P.C.B are already present as per standard, an **appropriate kit is available code 3.018839 (optional)** that allows to add a further low temperature zone. This kit is made up from a pump, one mixer valve, one by-pass, pipes and connection fittings, temperature control probes.

Flow rate/head graphics available to the system with additional Low Pressure zones.



A - Head available to the additional zones (2nd and 3rd zone) at maximum speed (as per standard for HERCULES Condensing ABT 32 2 I)
B - Head available to the additional zones (2nd and 3rd zone) at 4,5 speed (as per standard for HERCULES Condensing ABT 32 2 I)
C - Head available to the additional zones (2nd and 3rd zone) at 3 speed (as per standard for HERCULES Condensing ABT 32 2 I)

NB: by applying the low temperature kit (optional for HERCULES Condensing 26 2 E / 32 2 I) the temperature of the flow water on the low temperature zone can be adjusted using the boiler control panel, differently in the presence of variable temperature, the temperature of the flow water to the low temperature zone can be adjusted using a trimmer present on the zone management P.C.B. (included in the kit).

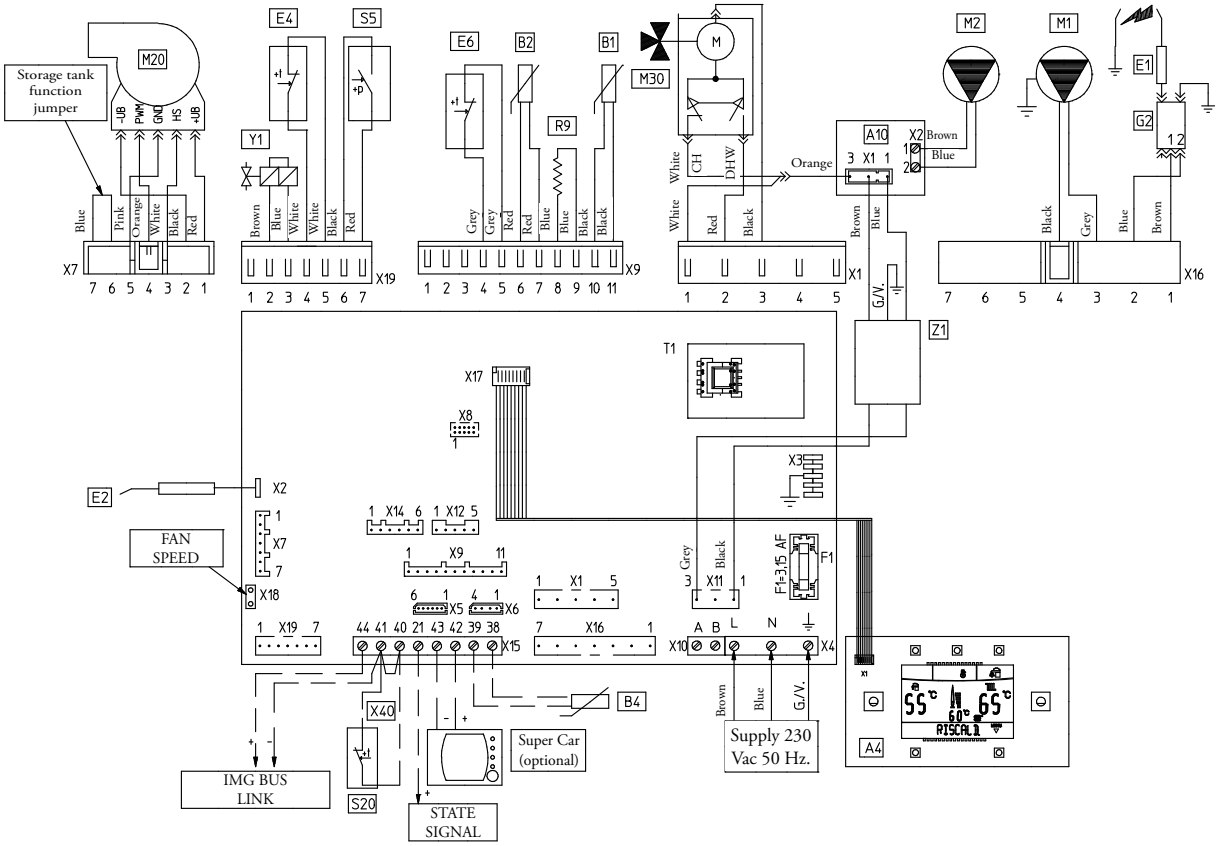
8 HERCULES Condensing 26 2 E / 32 2 I WIRING DIAGRAM

ROOM THERMOSTAT OR REMOTE CONTROL

The Comando Amico Remoto (CAR) or the Super Comando Amico Remoto remote control, must be connected to clamps 42 and 43 of connector X15 on the integrated P.C.B. respecting the polarity and eliminating jumper X40.

The boiler is designed to use the Room Thermostat (S20). Connect the Room Thermostat onto clamps 40 and 41 of connector X15 eliminating jumper X40.

Any external probe (B4) must be connected to clamps 38 and 39 of connector X15 on the integrated P.C.B.



KEY:

A4	-	Display board
A10	-	Pump relay board
B1	-	Flow probe
B2	-	Domestic hot water probe
B4	-	External probe (optional)
E1	-	Ignition electrodes
E2	-	Detection electrode
E4	-	Safety thermostat
E6	-	Flue safety thermostat
F1	-	Phase fuse
G2	-	Igniter
M1	-	Boiler pump
M2	-	CH pump
M20	-	Fan
M30	-	Three-way valve
R9	-	Return probe resistance
S5	-	System pressure switch
S20	-	Room thermostat (optional)
Super CAR	-	SUPER Comando Amico Remoto remote control (optional)
T1	-	Boiler board transformer
X40	-	Room thermostat jumper
Y1	-	Gas valve
Z1	-	Anti-jamming filter

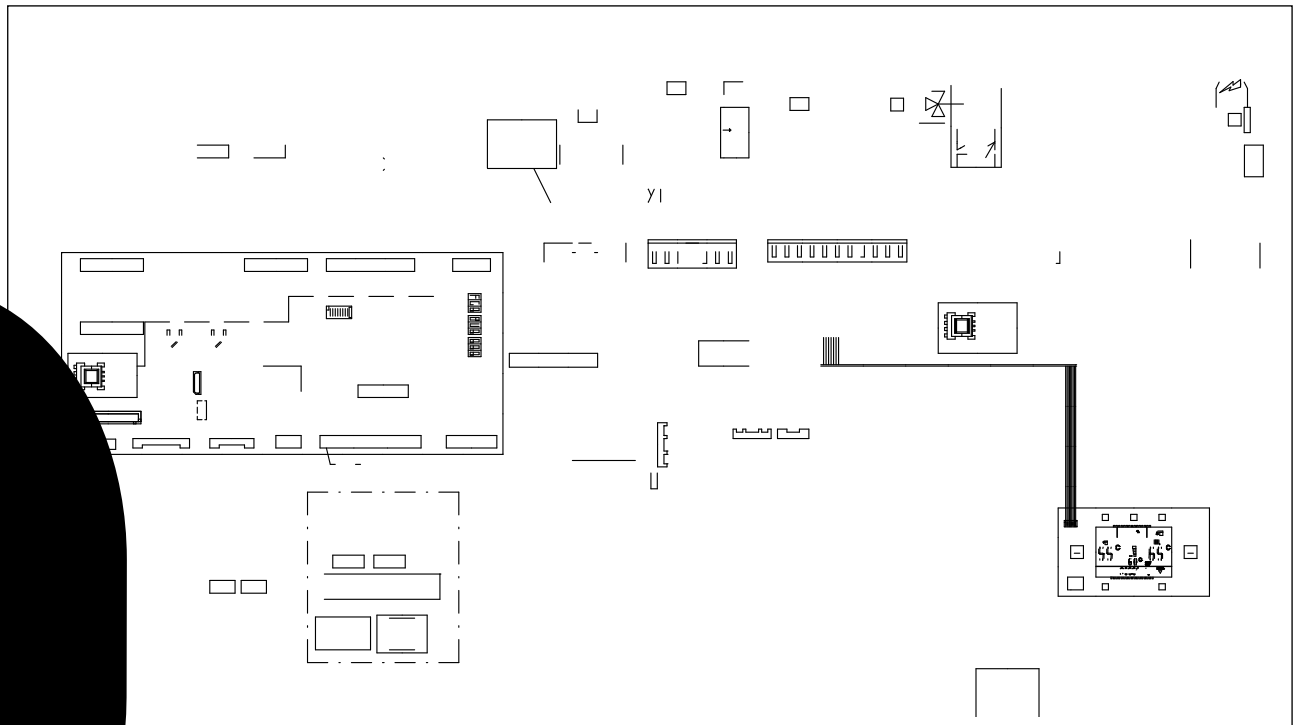
8.1 HERCULES Condensing ABT 32 2 I WIRING DIAGRAM

ROOM THERMOSTAT OR REMOTE CONTROL

The Comando Amico Remoto (CAR) or the Super Comando Amico Remoto remote control, must be connected to clamps 42 and 43 of connector X15 on the integrated P.C.B. respecting the polarity and leaving the clamps of the TA relative to the main zone free.

The boiler is designed to use the Room Thermostat (S20-1 and S20-2). Connect the room thermostats to the zones management board on clamps 1-2 (S20-1) and 3-4 (S20-2) of the connector X9, eliminating the relative jumpers.

Any external probe (B4) must be connected to clamps 38 and 39 of connector X15 on the integrated P.C.B.

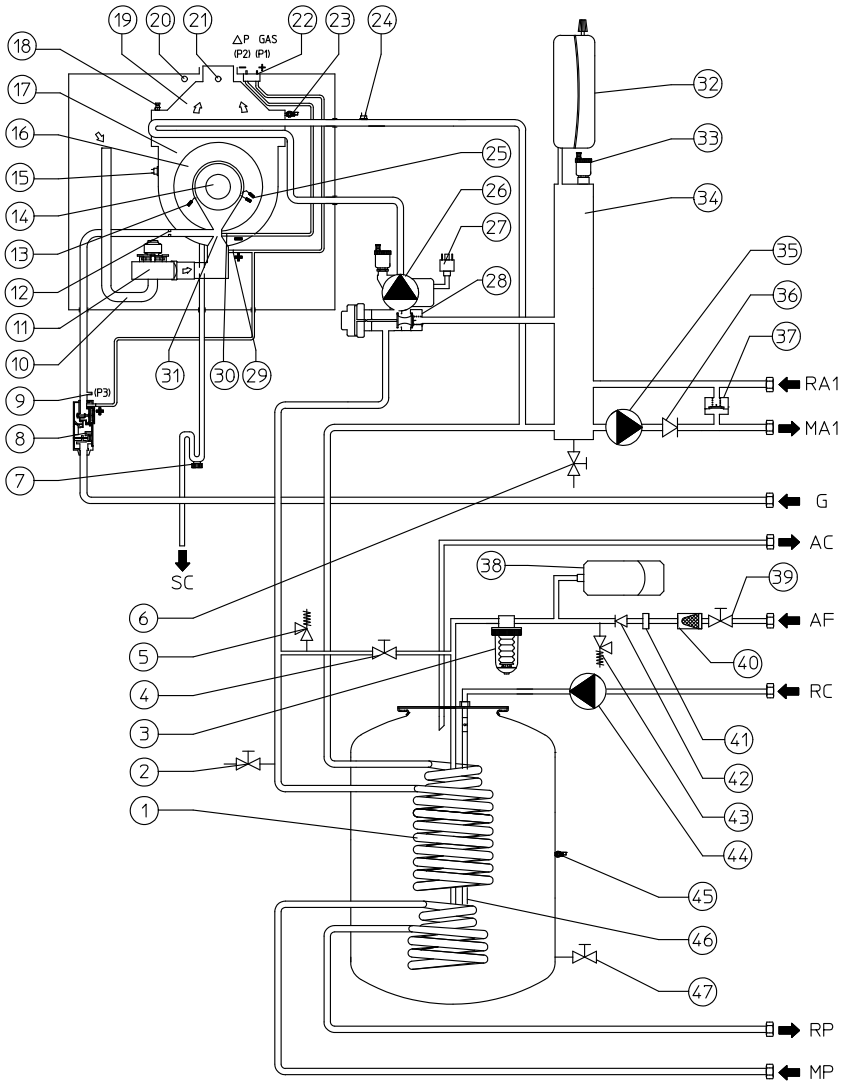


KEY:

[illegible]	-	Display board
[illegible]1	-	Flow probe
B2	-	Domestic hot water probe
B3-2	-	Low temperature zone 2 flow probe
B4	-	External probe (optional)
E1	-	Ignition electrodes
E2	-	Detection electrode
E4	-	Safety thermostat
E6	-	Flue safety thermostat
E7-2	-	Low temperature zone 2 safety thermostat
F1	-	Phase fuse
G2	-	Igniter
M1	-	Boiler pump
M10-1	-	Zone 1 pump
M10-2	-	Zone 2 pump
M20	-	Fan
M30	-	Three-way valve
M31-2	-	Zone 2 mixer valve
R9	-	DHW probe resistance
R12	-	Low temperature zone 2 flow adjustment trimmer (with optional external probe present)
R13	-	Low temperature zone 3 flow adjustment trimmer (with optional external probe and additional zone kit present)
S5	-	System pressure switch
S25	-	Board setting selector switch
S26	-	Board setting selector switch
S27	-	Board setting selector switch
S20-1	-	Zone 1 room thermostat (optional)
S20-2	-	Zone 2 room thermostat (optional)
Super CAR	-	SUPER Comando Amico Remoto remote control (optional)
T1	-	Boiler board low voltage feeder
T2	-	Zones control unit low voltage feeder
Y1	-	Gas valve

9 HERCULES Condensing 26 2 E / 32 2 I HYDRAULIC DIAGRAM

Standard Configuration



KEY:

1 - Stainless steel coil for storage tank
2 - System draining valve
3 - Polyphosphate dispenser (optional)
4 - System filling valve
5 - 3 bar safety valve
6 - Manifold draining valve
7 - Condensate drain trap
8 - Gas valve
9 - Gas valve outlet pressure point (P3)
10 - Air intake pipe
11 - Fan
12 - Gas nozzle
13 - Detection electrode
14 - Burner
15 - Flue safety thermostat
16 - Condensation module covers
17 - Condensation module
18 - Manual air vent valve
19 - Flue hood
20 - Air sample point
21 - Flue sample point
22 - Δp gas pressure point
23 - Delivery probe
24 - Safety thermostat
25 - Ignition electrode
26 - Boiler Pump
27 - System pressure switch (absolute)
28 - Three-way valve (motorised)
29 - Venturi positive sign P1
23 - Venturi negative sign P2
31 - Air/gas Venturi manifold
32 - System expansion vessel
33 - Air vent valve
34 - Hydraulic manifold
35 - Zone 1 pump
36 - Zone 1 one-way valve
37 - Zone 1 by-pass
38 - D.H.W. expansion vessel
39 - Cold water inlet valve
40 - Cold water inlet filter
41 - Flow limiter
42 - Cold water inlet non-return valve
43 - 8 bar safety valve
44 - DHW recirculation pump (optional)
45 - Domestic hot water probe
46 - Magnesium anode
47 - Storage tank unit draining valve

RA1 - Zone 1 system return (High temperature)
MA1 - Zone 1 system flow (High temperature)
G - Gas supply
AC - Domestic hot water outlet
AF - Domestic cold water inlet
RC - Domestic hot water recirculation
RP - Return from solar panels
MP - Flow from solar panels

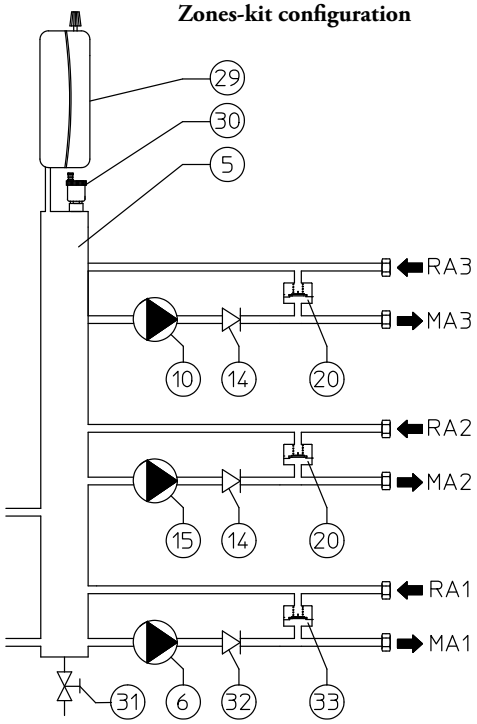
9.1HERCULES Condensing 26 2 E / 32 2 I HYDRAULIC DIAGRAM WITH ZONES KIT

KEY:

5 - Hydraulic manifold
6 - Pump (boiler)
10 - Pump (second zone)
14 - One way valve
15 - Pump (third zone)
20 - By-pass group
29 - System expansion vessel
30 - Air vent valve
31 - Hydraulic manifold draining valve
32 - One way valve
33 - By-pass group

MA1 - Zone 1 high temperature system flow (standard)
RA1 - Zone 1 high temperature system return (standard)
MA2 - High temperature zone 2 system flow
RA2 - High temperature zone 2 system return
MA3 - High temperature zone 3 system flow
RA3 - High temperature zone 3 system return

Zones-kit configuration

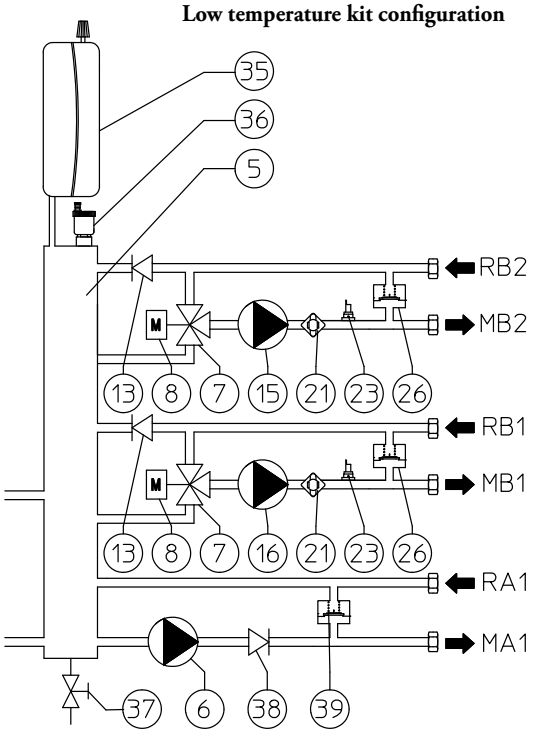


KEY:

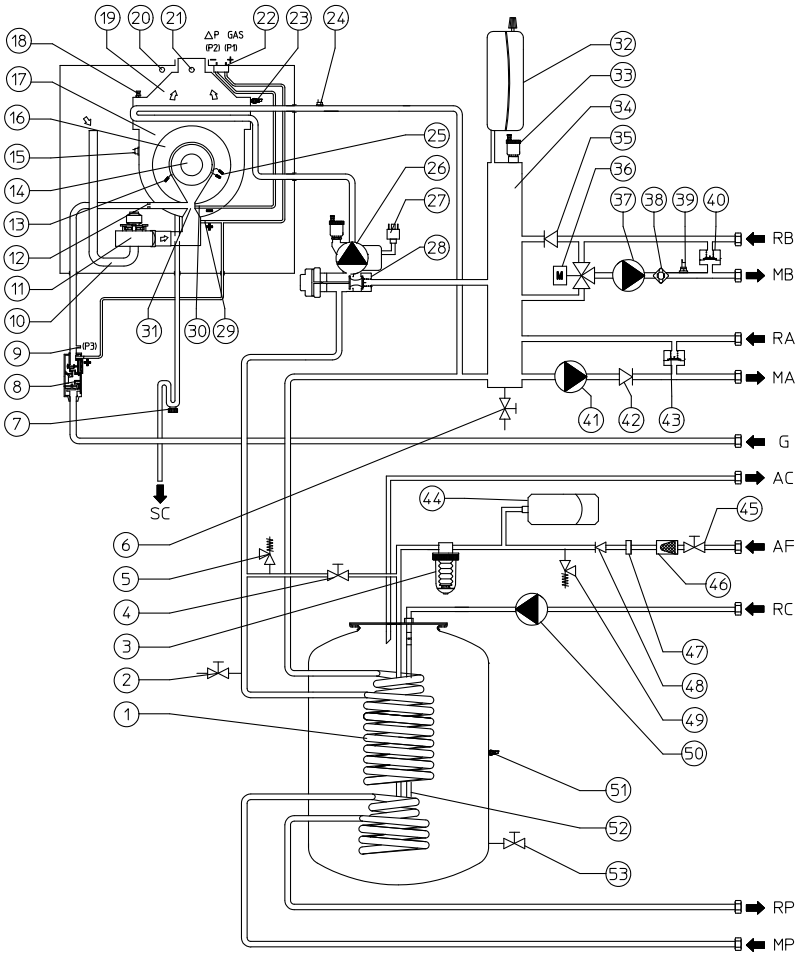
5 - Hydraulic manifold
6 - Pump (boiler)
7 - Mixer valve
8 - Mixer valve motor
13 - One way valve
15 - Pump (low temperature zone 3)
16 - Pump (low temperature zone 2)
21 - Safety thermostat
23 - Delivery probe
26 - By-pass group
35 - System expansion vessel
36 - Air vent valve
37 - Hydraulic manifold draining valve
38 - One way valve
39 - By-pass group

MA1 - Zone 1 high temperature system flow (standard)
RA1 - Zone 1 high temperature system return (standard)
MB1 - High temperature zone 1 system flow
RB1 - High temperature zone 1 system return
MB2 - High temperature zone 1 system flow
RB2 - High temperature zone 1 system return

Low temperature kit configuration



9.2 HERCULES Condensing ABT 32 2 I HYDRAULIC DIAGRAM



KEY:

1 - Stainless steel coil for storage tank
2 - System draining valve
3 - Polyphosphate dispenser (optional)
4 - System filling valve
5 - 3 bar safety valve
6 - Manifold draining valve
7 - Condensate drain trap
8 - Gas valve
9 - Gas valve outlet pressure point (P3)
10 - Air intake pipe
11 - Fan
12 - Gas nozzle
13 - Detection electrode
14 - Burner
15 - Flue safety thermostat
16 - Condensation module covers
17 - Condensation module
18 - Manual air vent valve
19 - Flue hood
20 - Air sample point
21 - Flue sample point
22 - Δp gas pressure point
23 - Delivery probe
24 - Safety thermostat
25 - Ignition electrode
26 - Boiler Pump
27 - System pressure switch (absolute)
28 - Three-way valve (motorised)
29 - Venturi positive sign P1
23 - Venturi negative sign P2
31 - Air/gas Venturi manifold
32 - System expansion vessel
33 - Air vent valve
34 - Hydraulic manifold
35 - Low temp. zone one-way valve
36 - Low temp. zone mixing valve
37 - Low temperature zone system pump
38 - Low temperature safety thermostat
39 - Low temp. zone flow probe
40 - Low temp. zone automatic by-pass
41 - High temperature zone system pump
42 - High temp. zone one-way valve
43 - High temp. zone automatic by-pass
44 - D.H.W. expansion vessel
45 - Cold water inlet cock
46 - Cold water inlet filter
47 - Flow limiter
48 - Cold water inlet non-return valve
49 - 8 bar safety valve
50 - DHW recirculation pump (optional)
51 - Domestic hot water probe
52 - Magnesium anode
53 - Storage tank unit draining valve
RB - Low temperature zone system return
MB - Low temperature zone system flow
RA - High temperature zone system return
MA - High temperature zone system flow
G - Gas supply
AC - Domestic hot water outlet
AF - Domestic hot water inlet
RC - Domestic hot water recirculation
RP - Return from solar panels
MP - Flow from solar panels

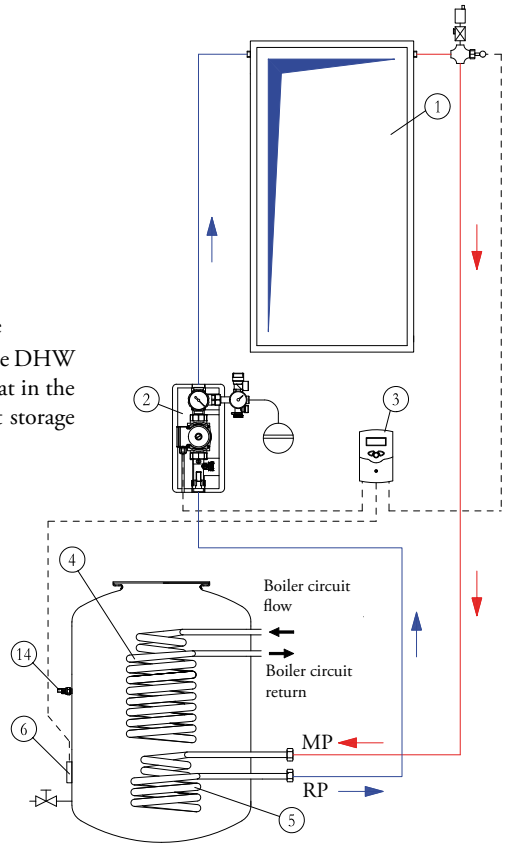
10 HERCULES Condensing A SOLAR PANELS COUPLING

The HERCULES Condensing 26 2 E / 32 2 I ed HERCULES Condensing ABT 32 2 I 120 litre storage tank unit is designed for coupling to solar panels. Using the solar panels coupling kit **code 3.019998** (**optional**), the coil in the lower part of the storage tank unit is designed for connection of the solar system; the MP an RP connections (solar panel flow and return), will be extended up to the vertical axis of the boiler hydraulic connections.

KEY:

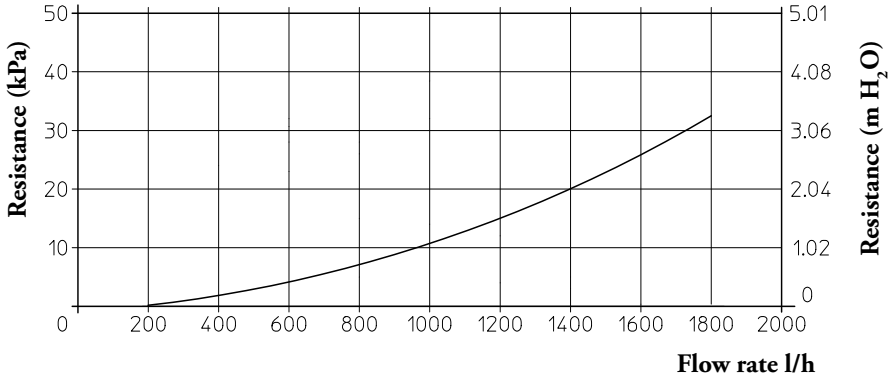
1 - Solar panel
2 - Circulation group
3 - Solar adjustment control unit
4 - Boiler upper coil
5 - Solar lower coil
6 - Storage tank unit probe
14 - NTC domestic hot water probe

N.B.: The use of this kit leads to the shifting of the DHW NTC probe (14) from its original position to that in the immersion sample point present on the highest storage tank unit



10.1 HEAD LOSS OF THE SOLAR PANELS CIRCUIT

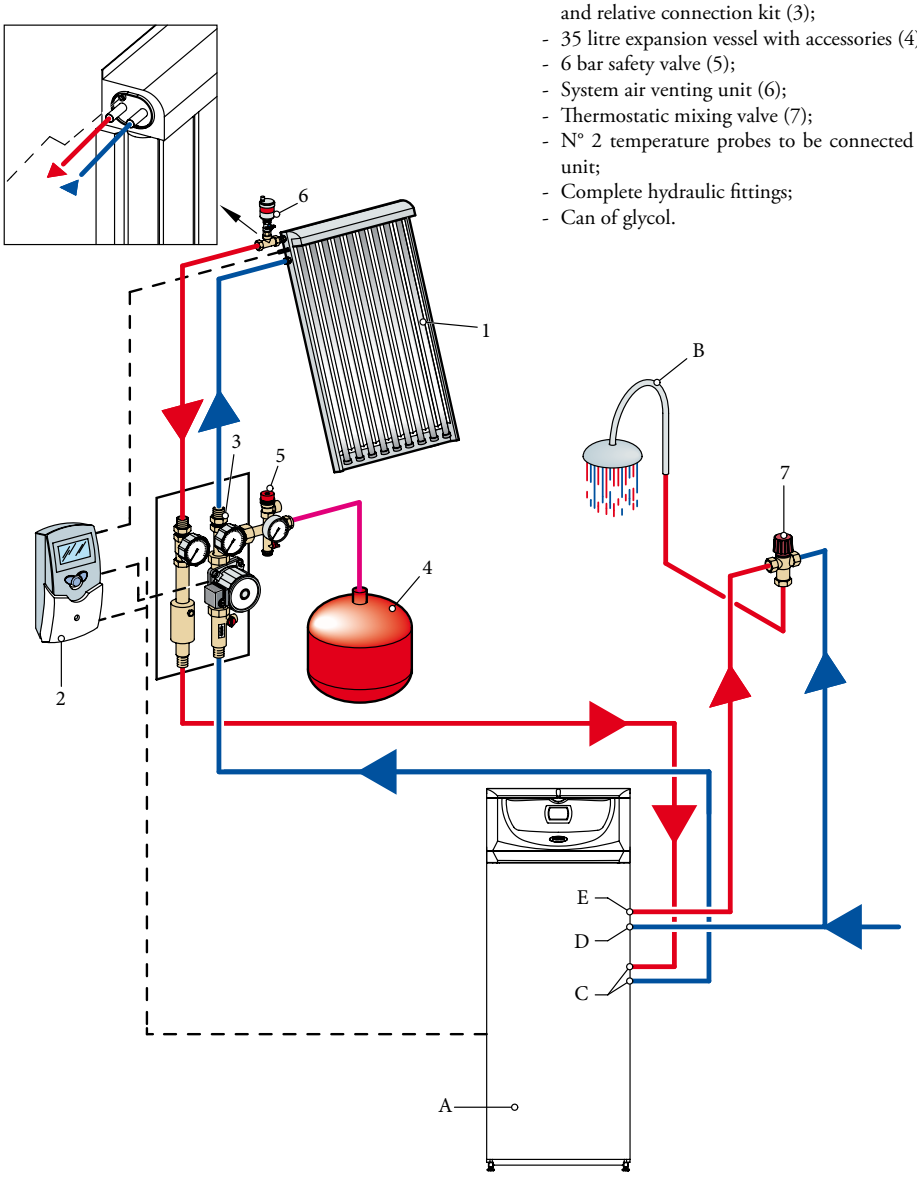
For dimensioning of the pump unit (2), the following graphics must be taken into consideration regarding the head loss of the solar panels circuit inside the boiler.



11 HERCULES Condensing with BASIC SOL LUX Solar Pack code 3.019038

To connect the boiler to the Solar Pack it is necessary to use the solar panels coupling kit code 3.019998 (see previous page). In addition to that included as per standard in the Solar Pack (see description below), for installation it is necessary to envision the fixing system for the solar collectors, as the choice of this fixing system is correlated to the type of installation that is carried out.
The fixing systems (supplied separately) that can be used with this pack are:
1) recess installation kit in the roof code 3.019303;
2) kit n° 4 brackets for slates/tiles to be perforated code 3.019105;
3) kit n° 4 brackets for slates/tiles code 3.019236;
4) kit n° 4 "L"-shaped brackets for smooth roofs code 3.019107;
5) free installation kit, for fixing to the ground or flat roofs code 3.019117.

KEY:
A - Boiler (sold separately)
B - Domestic hot water withdrawal
C - Solar panels connection attachments
D - Domestic cold water inlet
E - Domestic hot water outlet



THE SOLAR PACK IS COMPOSED OF:
- CSV Solar Vacuum Collector, with opening surface 1.92 m² (1);
- Solar collector support frame and fixing system composed of "S" - shaped brackets for wooden roofs;
- Electronic adjustment control unit (2);
- Double solar circulation pump, with flow rate adjuster and air separator and relative connection kit (3);
- 35 litre expansion vessel with accessories (4);
- 6 bar safety valve (5);
- System air venting unit (6);
- Thermostatic mixing valve (7);
- N° 2 temperature probes to be connected to the adjustment control unit;
- Complete hydraulic fittings;
- Can of glycol.

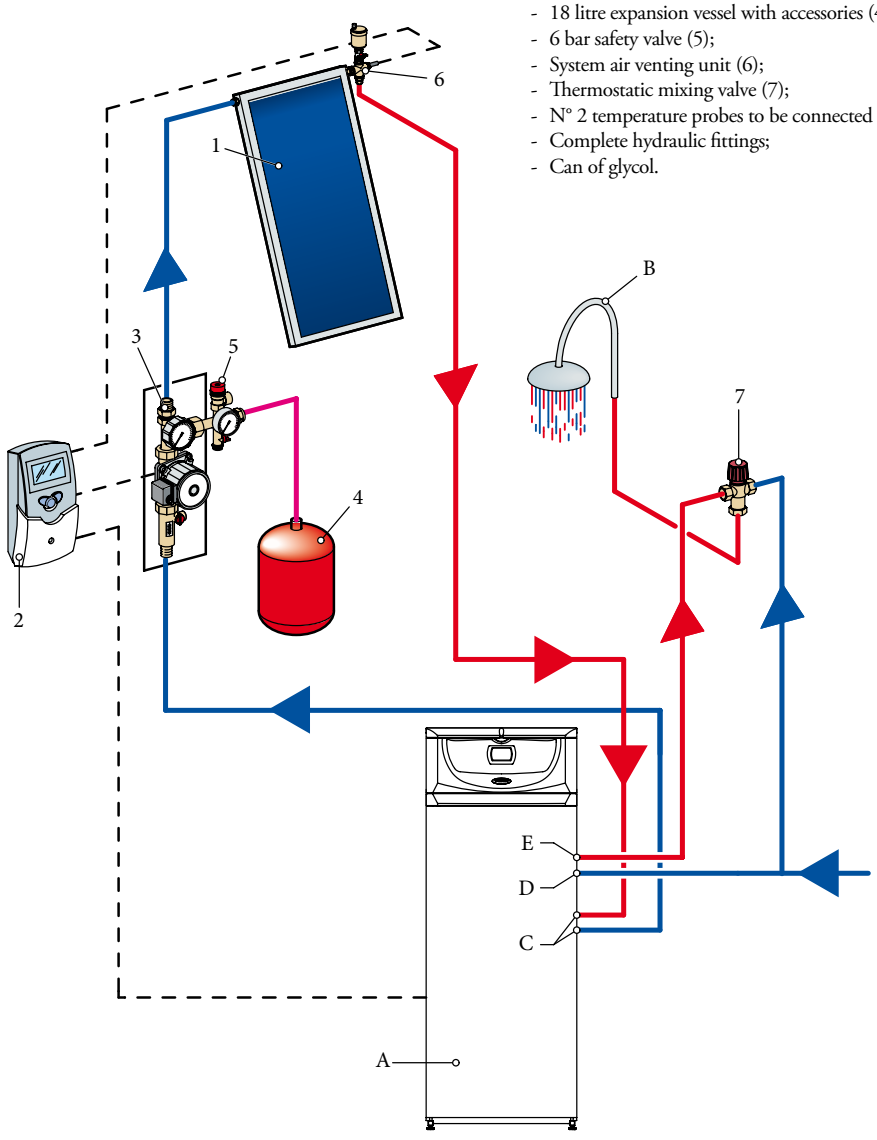
12 HERCULES Condensing with BASIC SOL Solar Pack code 3.019037

To connect the boiler to the Solar Pack it is necessary to use the solar panels coupling kit code 3.019998 (see previous page). In addition to that included as per standard in the Solar Pack (see description below), for installation it is necessary to envision the fixing system for the solar collectors, as the choice of this fixing system is correlated to the type of installation that is carried out.

The fixing systems (supplied separately) that can be used with this pack are:
1) recess installation kit in the roof code 3.019303;
2) kit n° 4 brackets for slates/tiles to be perforated code 3.019105;
3) kit n° 4 brackets for slates/tiles code 3.019236;
4) kit n° 4 "L"-shaped brackets for smooth roofs code 3.019107;
5) free installation kit, for fixing to the ground or flat roofs code 3.019114.

KEY:
A - Boiler (sold separately)
B - Domestic hot water withdrawal
C - Solar panels connection attachments
D - Domestic cold water inlet
E - Domestic hot water outlet

THE SOLAR PACK IS COMPOSED OF:
- CP2 Flat Vacuum Collector, with opening surface 1.85 m² (1);
- Solar collector support frame and fixing system composed of "S" - shaped brackets for wooden roofs;
- Electronic adjustment control unit (2);
- Single solar circulation pump, with flow rate adjuster and relative connection kit (3);
- 18 litre expansion vessel with accessories (4);
- 6 bar safety valve (5);
- System air venting unit (6);
- Thermostatic mixing valve (7);
- N° 2 temperature probes to be connected to the adjustment control unit;
- Complete hydraulic fittings;
- Can of glycol.



13 HERCULES Condensing 26 2 E TECHNICAL DATA

Domestic hot water maximum heating power		kW (kcal/h)	26,9 (23.137)
Central heating maximum heat input		kW (kcal/h)	24,9 (21.415)
DHW maximum useful heat output		kW (kcal/h)	25,8 (22.188)
CH maximum useful heat output		kW (kcal/h)	23,9 (20.554)
Minimum nominal heat input		kW (kcal/h)	5,0 (4.323)
Minimum nominal heat output		kW (kcal/h)	4,7 (4.042)
Efficiency at 100% Pn (80/60°C)		%	96,0
Efficiency at 30% of the load (80/60°C)		%	101,1
Efficiency at 100% Pn (50/30°C)		%	104,1
Efficiency at 30% of the load (50/30°C)		%	106,3
Efficiency at 100% Pn (40/30°C)		%	106,5
Efficiency at 30% of the load (40/30°C)		%	106,5
Central heating circuit			
Adjustable central heating temperature (Min. / Max.)		°C	Min 25 - 50 / Max 85
System max. working temperature		°C	90
System max. working pressure		bar	3
System expansion vessel nominal/(real) capacity		Litres	12,0 / (10,8)
System expansion vessel factory-set pressure		bar	1,0
Total head available with 1000 l/h flow rate		kPa (m H_2O)	30,9 (3,15)
DHW circuit			
Hot water production useful heat output		kW (kcal/h)	25,8 (22.188)
DHW adjustable temperature		°C	20 - 60
Flow rate in continuous service (ΔT 30°C)		Litres/min	13,3
Specific capacity x 10 min. (Δt 30°C)		Litres/min	19,9
Storage tank dispersions		kW	0,128
DHW system expansion vessel nominal/(real) capacity		Litres	5,0 (4,1)
DHW expansion vessel factory-set pressure		bar	3,5
Gas supply			
Gas pressure at METHANE burner (G20)	MIN - MAX	mbar	0,36 - 4,75 (5,40 Sanit.)
Gas pressure at LPG burner (G30)	MIN - MAX	mbar	0,30 - 4,72 (5,50 Sanit.)
Gas pressure at LPG burner (G31)	MIN - MAX	mbar	0,40 - 5,66 (6,50 Sanit.)
Gas flow rate at METHANE burner (G20)	MIN - MAX	m^3/h	0,53 - 2,64 (2,85 Sanit.)
Gas flow rate at LPG burner (G30)	MIN - MAX	kg/h	0,40 - 1,97 (2,12 Sanit.)
Gas flow rate at LPG burner (G31)	MIN - MAX	kg/h	0,39 - 1,93 (2,09 Sanit.)
Electric power supply		V/Hz	230 - 50
Power input		A	0,73
Installed electric power		W	155
Fan consumption		W	25,2
Power absorbed by the zone 1 pump Min. - Max.		W	7,0 - 61,0
Electric insulation rating	IP		X5D
Boiler water content		Litres	6,0
Stainless steel storage tank capacity		Litres	120
Weight of empty boiler		kg	126,6

13.1 HERCULES Condensing 32 2 I TECHNICAL DATA

Maximum nominal heat input		kW (kcal/h)	33,0 (28.392)
Maximum useful heat output		kW (kcal/h)	32,0 (27.520)
Minimum nominal heat input		kW (kcal/h)	7,3 (6.279)
Minimum nominal heat output		kW (kcal/h)	6,9 (5.934)
Efficiency at 100% Pn (80/60°C)		%	96,9
Efficiency at 30% of the load (80/60°C)		%	101,9
Efficiency at 100% Pn (50/30°C)		%	104,7
Efficiency at 30% of the load (50/30°C)		%	107,3
Efficiency at 100% Pn (40/30°C)		%	107,3
Efficiency at 30% of the load (40/30°C)		%	107,3
Central heating circuit			
Adjustable central heating temperature (Min. / Max.)		°C	Min 25 - 50 / Max 85
System max. working temperature		°C	90
System max. working pressure		bar	3
System expansion vessel nominal/(real) capacity		Litres	12,0 / (10,8)
System expansion vessel factory-set pressure		bar	1,0
Total head available with 1000 l/h flow rate		kPa (m H_2O)	30,9 (3,15)
DHW circuit			
Hot water production useful heat output		kW (kcal/h)	32,0 (27.520)
DHW adjustable temperature		°C	20 - 60
Flow rate in continuous service (ΔT 30°C)		Litres/min	16,0
Specific capacity x 10 min. (Δt 30°C)		Litres/min	24,3
Storage tank dispersions		kW	0,128
DHW system expansion vessel nominal/(real) capacity		Litres	5,0 (4,1)
DHW expansion vessel factory-set pressure		bar	3,5
Gas supply			
Gas pressure at METHANE burner (G20)	MIN - MAX	mbar	0,10 - 1,53
Gas pressure at LPG burner (G30)	MIN - MAX	mbar	0,15 - 1,88
Gas pressure at LPG burner (G31)	MIN - MAX	mbar	0,19 - 2,38
Gas flow rate at METHANE burner (G20)	MIN - MAX	m^3/h	0,77 - 3,49
Gas flow rate at LPG burner (G30)	MIN - MAX	kg/h	0,58 - 2,61
Gas flow rate at LPG burner (G31)	MIN - MAX	kg/h	0,57 - 2,56
Electric power supply		V/Hz	230 - 50
Power input		A	0,78
Installed electric power		W	155
Fan consumption		W	26,4
Power absorbed by the zone 1 pump Min. - Max.		W	7,0 - 61,0
Electric insulation rating	IP		X5D
Boiler water content		Litres	6,7
Stainless steel storage tank capacity		kg	120
Weight of empty boiler		kg	127,9

13.2 HERCULES Condensing ABT 32 2 I TECHNICAL DATA

Maximum nominal heat input		kW (kcal/h)	33,0 (28.392)
Maximum useful heat output		kW (kcal/h)	32,0 (27.520)
Minimum nominal heat input		kW (kcal/h)	7,3 (6.279)
Minimum nominal heat output		kW (kcal/h)	6,9 (5.934)
Efficiency at 100% Pn (80/60°C)		%	96,9
Efficiency at 30% of the load (80/60°C)		%	101,9
Efficiency at 100% Pn (50/30°C)		%	104,7
Efficiency at 30% of the load (50/30°C)		%	107,3
Efficiency at 100% Pn (40/30°C)		%	107,3
Efficiency at 30% of the load (40/30°C)		%	107,3
Central heating circuit			
Adjustable central heating temperature (Min. / Max.)		°C	Min 25 - 50 / Max 85
System max. working temperature		°C	90
System max. working pressure		bar	3
System expansion vessel nominal/(real) capacity		Litres	12,0 / (10,8)
System expansion vessel factory-set pressure		bar	1,0
Total head available high temp. zone with 1000 l/h flow rate		kPa (m H_2O)	30,9 (3,15)
Total head available low temp. zone with 1000 l/h flow rate		kPa (m H_2O)	35,3 (3,60)
DHW circuit			
Hot water production useful heat output		kW (kcal/h)	32,0 (27.520)
DHW adjustable temperature		°C	20 - 60
Flow rate in continuous service (ΔT 30°C)		Litres/min	16,0
Specific capacity x 10 min. (Δt 30°C)		Litres/min	24,3
Storage tank dispersions		kW	0,128
DHW system expansion vessel nominal/(real) capacity		litri	5,0 (4,1)
DHW expansion vessel factory-set pressure		bar	3,5
Gas supply			
Gas pressure at METHANE burner (G20)	MIN - MAX	mbar	0,10 - 1,53
Gas pressure at LPG burner (G30)	MIN - MAX	mbar	0,15 - 1,88
Gas pressure at LPG burner (G31)	MIN - MAX	mbar	0,19 - 2,38
Gas flow rate at METHANE burner (G20)	MIN - MAX	m^3/h	0,77 - 3,49
Gas flow rate at LPG burner (G30)	MIN - MAX	kg/h	0,58 - 2,61
Gas flow rate at LPG burner (G31)	MIN - MAX	kg/h	0,57 - 2,56
Electric power supply		V/Hz	230 - 50
Power input		A	1,06
Installed electric power		W	200
Fan consumption		W	26,4
Power absorbed by the zone 1 pump Min. - Max.		W	7,0 - 61,0
Power absorbed by the zone 2 pump Min. - Max.		W	7,0 - 61,0
Electric insulation rating	IP		X5D
Boiler water content		Litres	6,9
Stainless steel storage tank capacity		kg	120
Weight of empty boiler		kg	130,1

14 HERCULES Condensing 26 2 E COMBUSTION FEATURES

		Methane (G20)	GPL (G30)	GPL (G31)
Combustion efficiency 100% Pn (80/60°C)	%	97,1	97,1	97,1
Combustion efficiency P min (80/60°C)	%	97,0	97,0	97,0
Useful efficiency at 100% Pn (80/60°C)	%	96,0	96,0	96,0
Useful efficiency P min (80/60°C)	%	93,5	93,5	93,5
Useful efficiency at 100% Pn (50/30°C)	%	104,1	104,1	104,1
Useful efficiency P min (50/30°C)	%	106,0	106,0	106,0
Useful efficiency at 100% Pn (40/30°C)	%	106,5	106,5	106,5
Useful efficiency P min (40/30°C)	%	106,5	106,5	106,5
Chimney losses with burner on (100% Pn) (80/60°C)	%	3,1	3,1	3,1
Chimney losses with burner on (P min) (80/60°C)	%	3,0	3,0	3,0
Chimney losses with burner off	%	0,04	0,04	0,04
Casing losses with burner on (100% Pn) (80/60°C)	%	1,0	1,0	1,0
Casing losses with burner on (P min) (80/60°C)	%	3,5	3,5	3,5
Casing losses with burner off	%	0,89	0,89	0,89
Flue temperature Maximum Heat Input	°C	78	86	79
Flue temperature Minimum Heat Input	°C	73	82	75
Flue flow rate at Central Heating Maximum Heat Input	kg/h	39	36	40
Flue flow rate at Maximum Domestic Hot Water Heat Input	kg/h	43	39	43
Flue flow rate at Minimum Heat Input	kg/h	8	7	8
CO_2 at the Maximum Central Heating Heat Input	%	9,40	12,10	10,70
CO_2 at the Maximum Domestic Hot Water Heat Input	%	9,40	12,00	10,60
CO_2 at the Minimum Heat Input	%	8,90	11,80	10,20
CO at Maximum Heat Input	mg/kWh	214	693	284
CO at Minimum Heat Input	mg/kWh	7	11	7
NO_x at the Maximum Heat Input	mg/kWh	57	182	69
NO_x at the Minimum Heat Input	mg/kWh	25	86	41
Weighted CO	mg/kWh	20	-	-
Weighted NO_x	mg/kWh	48	-	-
NO_x class	-	5	5	5
Head available at fan (Min. - Max.)	Pa	33 - 140		

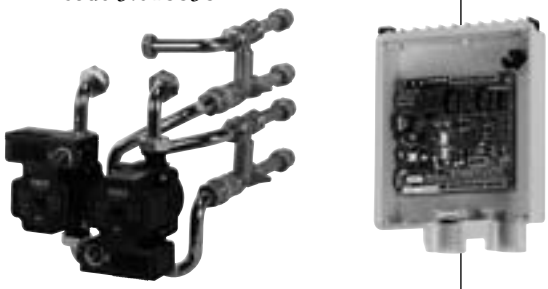
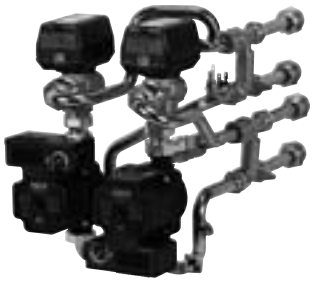
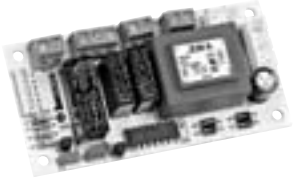
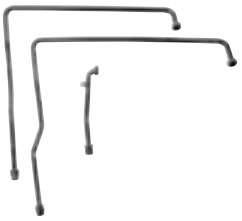
Gas flow rates refer to the NHV at the temperature of 15° C and pressure of 1013 mbar.
Flue temperature values refer to an air inlet temperature of 15°C.

14.1 HERCULES Condensing 32 2 I COMBUSTION FEATURES HERCULES Condensing ABT 32 2 I

		Methane (G20)	GPL (G30)	GPL (G31)
Combustion efficiency 100% Pn (80/60°C)	%	97,1	97,1	97,1
Combustion efficiency P min (80/60°C)	%	97,5	97,5	97,5
Useful efficiency at 100% Pn (80/60°C)	%	96,9	96,9	96,9
Useful efficiency P min (80/60°C)	%	94,5	94,5	94,5
Useful efficiency at 100% Pn (50/30°C)	%	104,7	104,7	104,7
Useful efficiency P min (50/30°C)	%	105,8	105,8	105,8
Useful efficiency at 100% Pn (40/30°C)	%	107,3	107,3	107,3
Useful efficiency P min (40/30°C)	%	107,3	107,3	107,3
Chimney losses with burner on (100% Pn) (80/60°C)	%	2,9	2,9	2,9
Chimney losses with burner on (P min) (80/60°C)	%	2,5	2,5	2,5
Chimney losses with burner off	%	0,03	0,03	0,03
Casing losses with burner on (100% Pn) (80/60°C)	%	0,2	0,2	0,2
Casing losses with burner on (P min) (80/60°C)	%	3,0	3,0	3,0
Casing losses with burner off	%	0,75	0,75	0,75
Flue temperature Maximum Heat Input	°C	73	82	74
Flue temperature Minimum Heat Input	°C	64	72	66
Flue flow rate at Maximum Heat Input	kg/h	52	47	53
Flue flow rate at Maximum Heat Input	kg/h	12	11	12
CO_2 at Maximum Heat Input	%	9,40	12,30	10,50
CO_2 at the Minimum Heat Input	%	8,90	11,90	10,30
CO at Maximum Heat Input	mg/kWh	220	662	200
CO at Minimum Heat Input	mg/kWh	10	8	8
NO_x at the Maximum Heat Input	mg/kWh	83	276	99
NO_x at the Minimum Heat Input	mg/kWh	43	89	54
Weighted CO	mg/kWh	17	-	-
Weighted NO_x	mg/kWh	52	-	-
NO_x class	-	5	5	5
Head available at fan (Min. - Max.)	Pa	52 - 220		

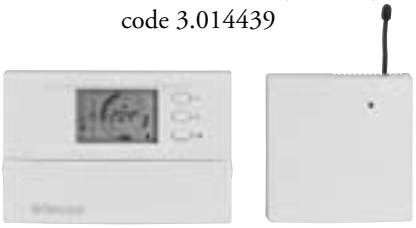
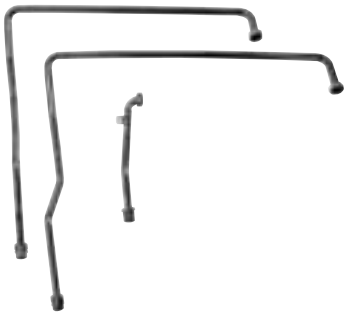
Gas flow rates refer to the NHV at the temperature of 15° C and pressure of 1013 mbar.
Flue temperature values refer to an air inlet temperature of 15°C.

15 HERCULES Condensing 26 2 E / 32 2 I OPTIONALS

2nd and 3rd additional high temperature zones kit code 3.018838 	**2nd and 3rd additional low temperature zones kit** code 3.020003 
2nd additional high temperature zone kit code 3.018837	**Additional low temperature zone kit** code 3.018836
Radio timer-thermostat (wireless) code 3.014439 	**Super Comando Amico Remoto remote control** code 3.016577 
GSM telephone control kit code 3.017182 	**External probe** code 3.014083 
Configurable relay interface kit code 3.015350 	**Solar panels coupling kit** code 3.019998 
Comando Amico Remoto remote control code 3.011236	**Telephone control** code 3.013305
Digital weekly timer-thermostat cod. 3.014438	**DHW recirculation kit (including pump)** code 3.020001
Polyphosphate dispenser kit 3.019999	**Clock kit for recirculation** code 3.015431
Cut-off cocks kit code 3.4297	**Cut-off cocks with filter kit** code 3.015854
Direct low temperature safety thermostat kit code 3.019869	**Condensate drain pump kit** code 3.020002
Water network cut-off kit code 3.020000	

The boiler is prepared for coupling to the DIM (multi-system distribution manifold), available in 5 recess or wall-hung kits.

15.1 HERCULES Condensing ABT 32 2 I OPTIONALS

Comando Amico Remoto remote control code 3.011236 	**Super Comando Amico Remoto remote control** code 3.016577 
Digital weekly timer-thermostat code 3.014438 	**Radio timer-thermostat (wireless)** code 3.014439 
External Probe code 3.014083 	**GSM telephone control kit** code 3.017182 
Solar panels coupling kit code 3.019998 	**3rd additional low temperature zone kit** cod. 3.018839 
Telephone control code 3.013305	**Polyphosphate dispenser kit** code 3.019999
Cut-off cocks kit code 3.4297	**Cut-off cocks with filter kit** code 3.015854
DHW recirculation kit (including pump) code 3.020001	**Clock kit for recirculation** code 3.015431
Direct low temperature safety thermostat kit code 3.019869	**Condensate drain pump kit** code 3.020002
Water network cut-off kit code 3.020000	

The boiler is prepared for coupling to the DIM (multi-system distribution manifold), available in 5 recess or wall-hung kits.

CERTIFICATO DI ESAME CE DI TIPO

EC TYPE EXAMINATION CERTIFICATE

NO. 51BT3717

VISTO L'ESITO DELLE VERIFICHE CONDOTTE IN CONFORMITÀ ALL'ALLEGATO II, PUNTO 1, DEL DPR 15/11/96, N. 661, ATTUAZIONE DELLA DIRETTIVA 90/396/CEE, SI DICHIARA CHE I SEGUENTI PRODOTTI (MODELLO/TIPO):

On the basis of our assessment carried out according to Annex II, section 1, of Legislative Decree of 1996/11/15, No. 661, national transposition of the Directive 90/396/EEC, we hereby certify that the following products (model/type):

Caldaie a pavimento

Cast iron boilers

Modelli HERCULES CONDENSING ...

Models HERCULES CONDENSING ...

(ulteriori informazioni sono riportate in allegato)
(for further information see annex)

COSTRUITI DA:
Manufactured by:

IMMERGAS SPA
VIA CISA LIGURE 95
42041 BRESCELLO RE

SODDISFANO LE DISPOSIZIONI DEL DECRETO SUDDETTO.
Meet the requirements of the aforementioned national legislation.

QUESTO CERTIFICATO DI ESAME CE DI TIPO È RILASCIATO DA IMQ S.P.A. QUALE ORGANISMO NOTIFICATO PER LA DIRETTIVA 90/396/CEE.
IL NUMERO IDENTIFICATIVO DELL'IMQ S.P.A. QUALE ORGANISMO NOTIFICATO È: **0051**

This EC Type Examination Certificate is issued by IMQ S.p.A. as Notified Body for the Directive 90/396/EEC. Notified Body notified to European Commission under number: 0051

2008-09-23

DATA

IMQ S.p.A.
VIA QUINTILIANO 43 - 20138 MILANO

IL PRESENTE CERTIFICATO ANNULLA E SOSTITUISCE IL PRECEDENTE DEL
This Certificate cancels and replaces the previous one of

Il presente certificato è soggetto alle condizioni previste dal DPR sul "Regolamento relativo al rilascio di Certificati di esame di tipo e all'utilizzo della Marcatura CE su apparecchi a gas e dell'attestato per i relativi dispositivi di sicurezza, in base alla Direttiva 90/396/CEE".
This Certificate is subjected to the provisions laid down in the "Rules concerning the issuing of EC Type Examination Certificates and the use of CE marking on gas appliances and the certificate for gas fittings, following the provisions of the Directive 90/396/EEC."