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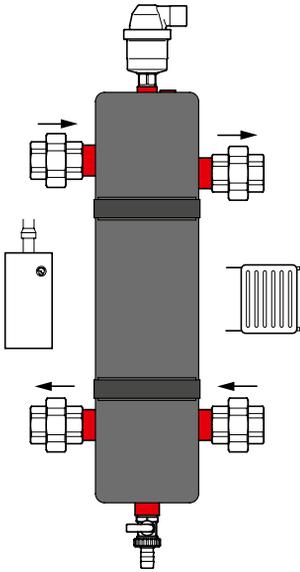


FlexBalance EcoPlus C

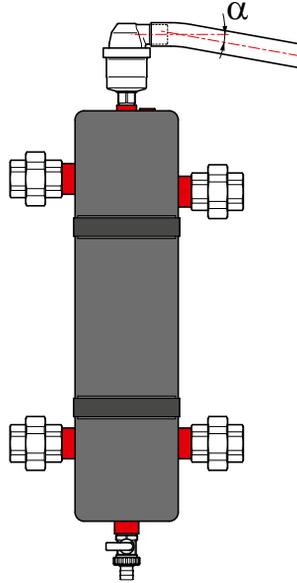




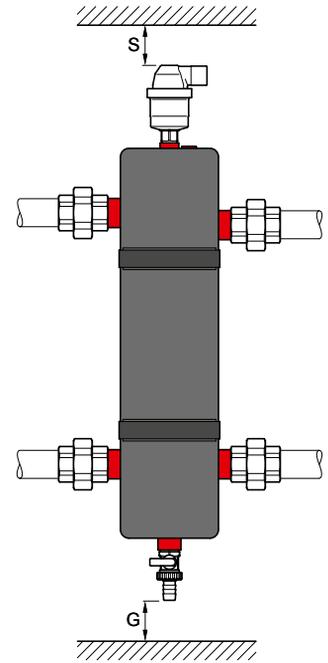
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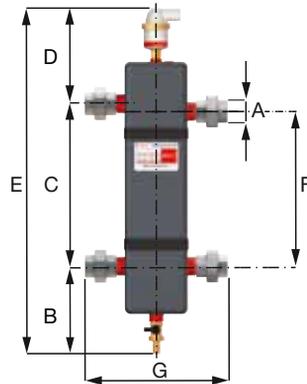
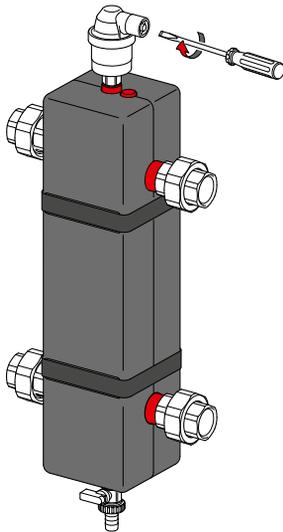
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1. General



The FlexBalance EcoPlus C, including PU insulation, creates hydraulic balance between the primary circuit and the secondary circuit and has four ports, a Flexvent Top automatic airvent with valve sleeve and drain cock.

Furthermore, the FlexBalance EcoPlus C can also be used as an air and dirt separator and it is suitable for use in sealed heating or cooling systems using glycol-based additives (max. 50%).

- Minimum and maximum system temperature: -10 °C up to + 110 °C.
- Minimum and maximum operating pressure: 0.2 bar up to 10 bar.

Model	Dimensions (mm)						
	A	B	C	D	E	F	G
FlexBalance EcoPlus C 1"	DN25	160	290	170	620	276	262
FlexBalance EcoPlus C 1 1/4"	DN32	160	340	180	680	321	280
FlexBalance EcoPlus C 1 1/2"	DN40	160	340	180	680	320	320
FlexBalance EcoPlus C 2"	DN50	170	400	185	755	373	326

2. Installation



Following the points below will ensure that the FlexBalance EcoPlus C works properly.

- Make sure installation is carried out by qualified personnel.
- Observe local legislation and guidelines.
- The FlexBalance EcoPlus C must be connected directly to the boiler(s) on the supply pipe and the return pipe (see fig. 1).
- See the table for the connection dimensions.
- To facilitate maintenance work/servicing, there must be clearance (see fig. 3) of at least 50 mm (S) above the vent, whilst below the drain cock there must be clearance of at least 150 mm (G).
- For optimum operating conditions, we recommend a flow rate of 1.2 m/s (functional maximum 3 m/s) in the supply pipe.
- Install the FlexBalance EcoPlus C only after the pipes have been properly flushed and pressure tested.
- The FlexBalance EcoPlus C must be installed vertically.
- In order to install the FlexBalance EcoPlus C with the minimum of fuss, remove the insulation by detaching the Velcro.
- Use sealing tape between the connections of pre-mounted coupling and between the drain cock and the valve sleeve of the vent.
- If available, slide the temperature sensor (next to the vent connection) as deep as possible into the tube (internal diameter $\varnothing 12$).
- When doing this, use enough conductive paste to ensure good heat conduction.
- Install the vent in the valve sleeve.
- The valve end of the vent measures 22 mm (external); an air-discharge hose can easily be attached. It must be attached in a downward arc (see fig. 2).
- Reapply insulation.

3. Maintenance and service

Carry out regular inspection (for the presence of dirt and such like).

In the unlikely event of a leak in the vent, it can be closed with the screw (see fig. 4).

The drain cock is used to discharge the sludge that collects in the FlexBalance EcoPlus C.



Attention!

Prevent dirt from the system getting into the Flexvent vent, water shock in the system and direct contact with chlorine bleach and other such products (at concentrations of ≥ 250 ppm). Water treatment products may be used on condition that the manufacturer guarantees that the product in question is suitable for all materials with which it may come into contact in the system.

4. Dismantling

The system must be completely cool before any servicing work is performed.

de-pressurize all pipework (not necessary if the Flexvent Top vent is merely unscrewed from the valve sleeve).

Disconnect the couplings prior to dismantling.



Environment

Observe local legislation and regulations when disposing of the FlexBalance EcoPlus C.

Produced in compliance with the terms of the European Pressure Equipment Directive 97/23/EC.

(See also www.flamcogroup.com)



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MC00241/01-2012



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