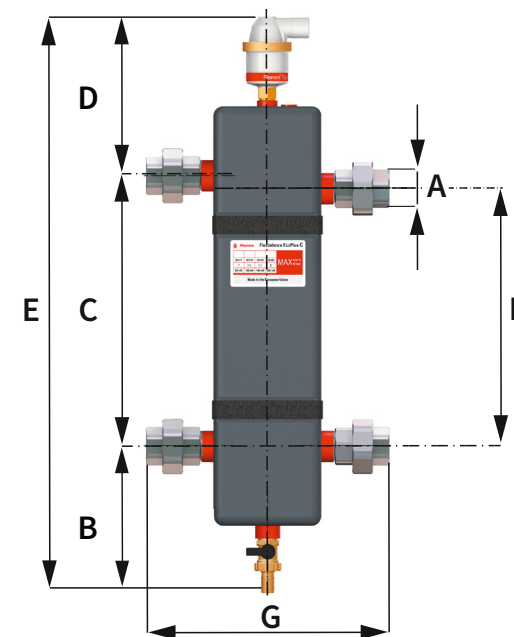
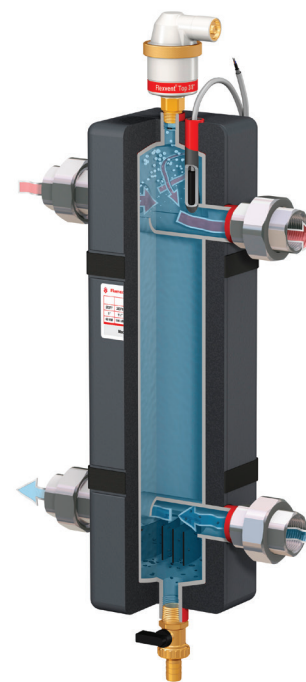


The NexBalance, including insulation, creates hydraulic balance between the primary circuit and the secondary circuit and has four ports, a Flexvent Top automatic airvent with valve sleeve and drain cock. Furthermore, the NexBalance can also be used as an air and dirt separator and it is suitable for use in sealed heating or cooling systems using glycol-based additives (max. 50%).

- Minimum and maximum system temperature: 14 °F up to + 230 °F
- Minimum and maximum operating pressure: 3 psi up to 145 psi

Model		Dimensions (in)						
		A	B	C	D	E	F	G
NexBalance 1 "	FHS-100	1	6.3	11.4	6.7	24.4	10.9	10.3
NexBalance 1 ¼ "	FHS-125	1.25	6.3	13.3	7.1	26.8	12.6	11
NexBalance 1 ½ "	FHS-150	1.5	6.3	13.3	7.1	26.8	12.6	12.6
NexBalance 2 "	FHS-200	2	6.7	15.8	7.2	29.7	14.7	12.8



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Installation

Following the points below will ensure that the NexBalance works properly.

- Make sure installation is carried out by qualified personnel.
- Observe local code requirements.
- The NexBalance 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 2 inches (S) above the vent, whilst below the drain cock there must be clearance of at least 6 inches (G).
- For optimum operating conditions, we recommend a flow rate of 4 f/s (functional maximum 10 f/s) in the supply pipe.
- Install the NexBalance only after the pipes have been properly flushed and pressure tested.
- The NexBalance must be installed vertically.
- To facilitate installation, remove the insulation jacket 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 0.26 inches (external); an air-discharge hose can easily be attached. It must be attached in a downward arc (see fig. 2).
- Reattach insulation jacket

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 blow down the debris that collects in the NexBalance.

Attention!

i 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.

Dismantling

⊘ Depressurize system piping and disconnect the couplings prior to dismantling.

Environment



Observe local code requirements when disposing of the NexBalance.
(See also www.nexusvalve.com)

Fig. 1

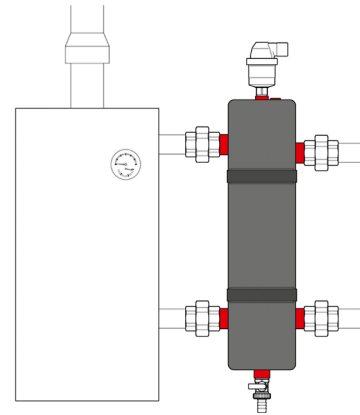


Fig. 2

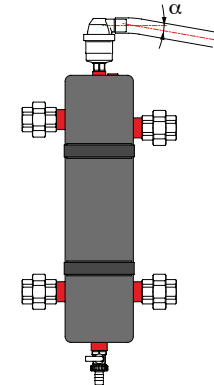


Fig. 3

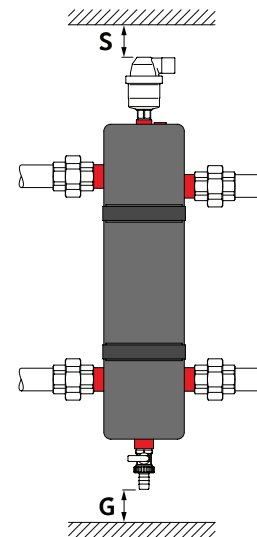


Fig. 4

