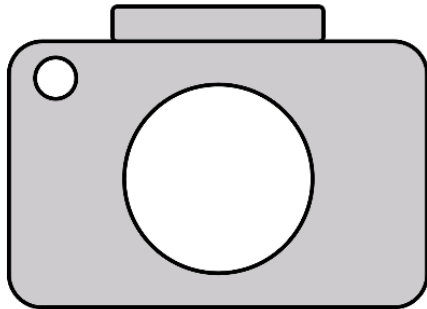


Heat source manifold



**Sorry, kein Bild
vorhanden**

Application

For distribution of the heating circuit water in sealed heating systems as per EN 12828 from the heat generator to the heating pump assemblies PrimoTherm®. The zone manifold allows for flexible Connection and free combination of heat pumps with oil, gas and pellet heat generators as well as reliable integration of solar and geothermal energy or additional buffer tanks. Suitable for connection of up to 5 pump assemblies.

Description

Heat manifold in a robust and highly compact segment design, made of high-quality polymers. This ensures minimum heat loss and prevents condensation for reliable operation of cooling applications. The heat source manifold features a modular design with 90 or 125 mm segments (centre-to-centre distance) for the connection of 2 to 5 heating pump assemblies and can be extended to up to 5 heating circuits using extension segments. An extension segment B for the integration of buffer tanks is also available. You can integrate a differential pressure bypass valve or convert the heat source manifold (HSM) into a hydraulic separator. Regardless of the configuration and application, the water distribution through the segments is intelligently coordinated so that the various heat sources work together in an optimum and energy-efficient way, even with a large number of heating zones. As compared to standard boiler manifolds, HSM lets you arrange the system and venting components in a flexible way using the AFRISO plug-in system - no tools required. The outlet to the pump assembly can be positioned either upwards, downwards or sideways in order to accommodate different site and piping conditions. It is also possible to rotate the heat source manifold, allowing to flexibly interchange the flow and return in order to realise the connection to the heat generator in an easy way. Metal rails are used for wall mounting at an adjustable wall distance from 80 to 130 mm.

HSM heat source manifolds are pre-assembled at the factory, 100 % tightness-tested, and delivered with form-fit heat insulation.

Technical Specifications

Centre-to-centre distance (pump assembly)
125 mm

Medium

Heating circuit water and cooling circuit water as per VDI 2035
(Water/glycol mixtures with an admixture of max. 50 %)

Connection (to heat generator)

union nut G1½

Connection (to heating circuit)

union nut G1

Operating temperature range

Medium: max. 60 °C at 6 bar

max. 70 °C at 5 bar

max. 90 °C at 3 bar

Flow

max. 3.5 m³/h

Heat capacity

max. 80 kW (at $\Delta T = 20\text{ °C}$)

material

Body: Polymer

Connections: Brass

Connection elements: Stainless steel 304

Heat insulation: Polypropylene EPP

Scope of delivery

- Heat source manifold
- wall mounting brackets
- Heat insulation