

Product information

FRANK PE brine manifolds

Description

FRANK PE brine manifolds are system solutions for the installation in on-site manholes or technical rooms. The PE brine distributors can also act as a parent/collective distributor for combining several sub distributors (e.g. PE-manholes).

The manifolds made of PE 100 are factory-welded and pressure tested. The products are completely prefabricated and were delivered with all necessary shut-off and control valves. The design and size of the manifolds is individually customizable.



Type		FRANK PE brine manifold
Number of circuits		2-60
Design		I-, L-, U- or special design
Collector pipe *		d75 to d 250 mm
Heat pump connection *		Spigot PE 100 SDR 11, d 63 to d 250 mm, Flange DN 50 to DN 250
Direction heat pump outflow		According to structural conditions
Circuits *		Spigot PE 100, SDR 11 d 25 to d 63 mm
Armatures	Supply pipe	PVC ball valve
	Return pipe	5-42 l/min, 35-70 l/min (adjustable), or Ball valve Balancing valve (Hydrocontrol)
Filling/ Venting		BV 1"
Max. operating pressure		3 bar
Max. test pressure		6 bar

* Other dimensions on request



Technical data

- Suitable for geothermal probes, horizontal collectors or energy baskets
- Brine manifolds completely made of PE
- All connections with PE 100 spigot
- Heat pump connection as specified (left/right), optionally with open pipe end, ball valve* or butterfly valve*²
- Shut-off valves in the flow and return lines
- Circuit connections with: PVC ball valve, adjustable flow meter or balancing valve
- All valves can be removed radially
- Optional accessories: pressure gauge, thermometer, drain and air vent

*² depends on the pipe dimension

A questionnaire for the design of PE manifolds can be found on our homepage under: www.frank-gmbh.de

