

TECHNICAL SPECIFICATIONS

FRANK GEOTHERMAL MANIFOLDS

DESCRIPTION:

The PE brine manifolds are system solutions for assembly in manholes or technical rooms. The PE brine distributors can also act as collective distributors in order to combine several subdistributors (e.g. PE manholes).

Manifolds manufactured with PE 100 are welded and pressure tested in the factory. The products are completely pre-manufactured, and they are delivered with all the necessary shut-off and control valves. The design and size of the manifolds can be individually customised.

TECHNICAL DATA:

Suitable for vertical geothermal probes, or as horizontal manifolds. Shut-off valves in the outlet and return line or energy baskets. Circuit connections with: adjustable PVC ball valve. Brine manifolds manufactured entirely with PE, with flowmeter or balancing valve. All the connections with PE 100 connector. All the valves are demountable. Heat pump connection according to specifications (left/right). Optional accessories: pressure gauge, thermometer, optionally with open pipe end, ballo or drainage butterfly valve and ventilation valve depending on the dimension of the pipes.

Type		PE Manifold
Number of circuits		2-60
Design		I-, L-, U- or special design
Manifold pipe		Ø75 up to Ø250 mm
Heat pump connection		PE 100 SDR 11 outlet, Ø50 up to Ø250 mm
Heat pump direction		In accordance with the conditions
Circuits		PE 100 SDR 11 outlet, Ø25 up to Ø63 mm
Connections	Outlet pipe	PVC ball valve
		Flowmeter 5-42 l/min, 35-70 l/min (adjustable) or ball valve
	Return pipe	Balancing valve
Ventilation		BV 1"
Maximum operating pressure		3 bar
Pressure test		6 bar

