



HIRO XXL Manifold Chambers provide security as well as a central location for controlling and monitoring the flow and pressure of up to 34 brine circuits and are typically used for large industrial geothermal ground source heat recovery systems.

The probe connecting pipes are welded to the manifold chamber with three-fold leak-proof welds and are ready for jointing with electrofusion fittings. All manifold devices are pressure tested at the factory. The chambers are equipped with a high-quality, storm watertight, UV-resistant plastic (PE/PP) lid, rated Class A35. This means it can withstand wheel loads of up to 3.5 t.

Applications

- Geothermal energy recovery systems
- Large industrial Geothermal projects

Options

- Heat pump isolation valve
- Flow meter 5-55 l/min
- Temperature measurement

Features

- Manufactured from high quality PE100-RC
- Lightweight and robust construction
- Designed to minimise pressure loss
- Manifold diameters from 90 to 250mm
- 32, 40, 50mm probe connections
- Inlet/outlet centres 100mm
- DN 25 isolation valves with EPDM seals
- Up to 34 brine circuits
- Manufactured to EN 1852 standards

General Specifications	
Material	Polyethylene (PE100-RC)
Height	1588mm
Footprint	1350 x 2200mm
Maximum number of brine circuits without isolation valve	34
Maximum number of brine circuits with isolation valve	30
Inlet/outlet diameter	32, 40, 50mm
Manifold diameter	63 to 110mm
Manifold orientation	Horizontal
Inlet/outlet positions	3 & 9 O'clock
Brine pump connection	6 & 12 O'clock

For full specification & layout details please see individual product drawings