



HIRO Manifold Chambers M provide security as well as a central location for controlling and monitoring the flow and pressure of up to 12 brine circuits and are typically used for large domestic 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 domestic Geothermal projects

Options

- Heat pump isolation valve
- combined temperature and pressure gauge

Features

- Manufactured from high quality PE100-RC
- Lightweight and robust construction
- Designed to minimise pressure loss
- Manifold diameters from 63 to 110mm
- 25, 32, 40mm probe connections
- Inlet/outlet centres 100mm
- DN 25 isolation valves with EPDM seals
- Up to 16 brine circuits
- Manufactured to EN 1852 standards

General Specifications	
Material	Polyethylene
Height	1160mm
Footprint	Ø1140mm
Maximum number of brine circuits without isolation valve	16
Maximum number of brine circuits with isolation valve	12
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