

■ **Special manholes**

GEO THERMAL SYSTEM



The compact solution

Manholes ready for connection.
Statically assessed to your de-
mands.



Special manifold manholes made of PE 100

Completely factory-assembled manholes made of PE 100 spiral pipe for geothermal collectors.



Manhole diameter:	FRANK spiral pipes DN 1000 mm up to DN 3500 mm
Manhole height:	Ex 1300 mm up to the required depth of trench
Number of circles:	Up to 45 in one manhole
Connections:	probe-circuits: OD 32 mm, OD 40 mm, OD 50 mm. Heating pump: OD 63 up to OD 350 mm
Shut-off valve:	optionally plastic ball valve, plastic butterfly valve, balancing valve or flow meter tacosetter
Manhole covering:	Concrete slab by customers or plastic manhole top, diameter of entry 600 mm

For centralization of several sub manifolds, superior manifolds as manholes or as line manifold could be delivered.

For design, please note our questionnaire for PE 100 manifolds.

- Manifold with all required shut-off and control valves ready for connection
- Static rating for car or truck-access construction or against pressing groundwater optionally possible
- All connections are pressure water tight and welded across the manhole wall.
- Light inspection friendly inner surface
- Spiral pipe manhole sealed by welding
- Balance valves in each return allows an exactly setting of the brine quantity also in high geothermal collectors
- Ideal probe connection via horizontal connection level
- Manhole border with gasket for manhole covering by customers
- Optionally completely with plastic manhole cover
- Crane eyes for easy installation