

## ■ **Manhole type 1**

# GEO THERMAL SYSTEM



# Manhole type 1

Factory-assembled manhole with integrated manifold/collector. For the connection of boreholes, geothermal collectors and baskets.

Heat pump connections, OD 63 x 5.8 mm, with PVC ball valves

Collector pipe, OD 125 x 11.4 mm, with threaded valve for filling and draining



Return connection with flow meter (8 – 30 l/min)

Flow connection with PVC ball valve

- Made of PE plates
- Collector pipe, OD 125 x 11.4 mm, SDR 11, central, vertical arrangement
- 2 x connection to the heat pump, made of solid walled pipe, OD 63 x 5.8 mm, SDR 11, with PVC ball valves, radially removable
- Flow connection, OD 32 x 2.9 mm or OD 40 x 3,7 mm, SDR 11, with PVC ball valve, radially removable
- Return connection, OD 32 x 2.9 mm or OD 40 x 3,7 mm, SDR 11, with flow meter, radially removable
- 2 x thread 1/2" valve for filling and draining
- Plastic cover with mechanical latching, 800 mm entry hole, weight bearing up to 200 kg
- All special connections are welded onto the manhole wall and pressure water-tight, each connection overlay 100 mm
- Height of manhole can be increased by 250 mm
- Reinforcing elements for pressing water integratable
- Alternative to concrete manholes

## Technical data

Brine circuits:	4 up to 18 circuits
Diameter of the manhole:	1000/1400 mm
Height of the manhole (depending on number of brine circuits):	1000 – 1750 mm
Max. test pressure (24 h, < 30°C):	6 bar
Max. operating pressure:	3 bar
Max. flow rate:	22 m <sup>3</sup> /h