

### **GERO<sup>therm</sup>® manhole type 3**

For connecting geothermal probes, ground collectors and energy cages; fully factory pre-assembled, ready-to-connect, extruded cylindrical all-plastic shaft made of HD-PE with reinforced shaft wall (at least 2 cm wall thickness) for 12–36 brine circuits, with all necessary shut-off and control fittings according to individual specifications; can be used against pressing water; probe connections welded according to DVS are routed to the outside through the shaft wall and are water-pressure tight; all connections designed voltage-free; shaft access equipped with an inspection-friendly cover that can be walked on or driven on as an option; cast iron shaft cover offset with a diameter of 630 mm, screwed, load capacity class A15-D400; outlet to the heat pump optionally on the left or right; optimal and horizontal probe connection; crane lugs for easy transport and installation on site; special key fixed on the outside; type 3 specially designed for use in floor slabs and roads

- Detailed design according to order form type 3
- Flow rate > 19.6 m<sup>3</sup>/h
- Design type: laying
- Dimensions: Height: approx. 1700 mm; outside diameter: 1200 - 1400 mm
- Incl. installed and pressure-tested distributor SAVE 125, SAVE 180 or SAVE 250 in accordance with the HakaGerodur AG pressure test protocol, weld seams made in accordance with DVS, minimal flow resistances
- Floating storage of the SAVE with regard to thermal expansion
- Optional main shut-off valve Ebro brand in the main passage
- Optional conductor made of V2A, aluminium or PE
- Optional automatic venting
- Optional thermometer -20°C/+40°C and/or pressure gauge 0 bar - 10 bar
- Optional level adjustment of the entrance on site
- Optional dome seal against pressing groundwater
- Optional illumination and electrical connections
- Operating temperature: -20°C to 40°C

### **GERO<sup>therm</sup>® manhole type 3 with installed and pressure-tested SAVE distributors/collectors with ball valve and balancing valves**

Design for:

Number of connections (12–36): .....

Connection dimensions (40 mm or 50 mm): .....

Total flow rate: ..... m<sup>3</sup>/h

SAVE collector/distributor (SAVE 125 / SAVE 180 / SAVE 250): .....

Selected outlet to heat pump (left/right): .....

Cast iron cover (class A15, class B125, class D400)

.....

Art. No.: .....

Quantity ..... Units