

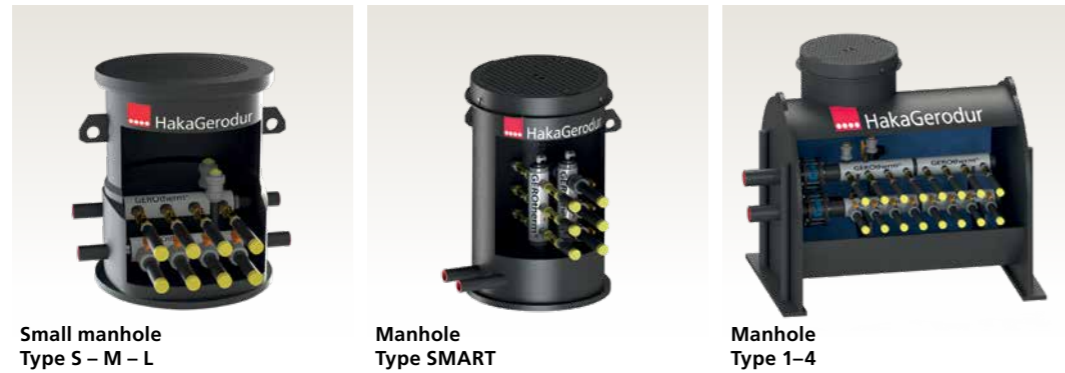


GEROtherm[®] manhole

Robust and flexible manholes
for all applications

A suitable GEROtherm® manhole for every application

For small geothermal plants through to large geothermal probe fields. Use in open countryside or in a floor slab in the plant room – we offer you the right system for every situation to professionally connect your geothermal probes. If necessary, we adapt the product to your construction site, and not the other way around.



**Small manhole
Type S – M – L**

**Manhole
Type SMART**

**Manhole
Type 1–4**

Design	Standard from price list	Standard from price list	Object-specific from design drawing
SAVE (collector/distributor)	SAVE 97 ≤ 7.9 m³/h SAVE 125 ≤ 19.6 m³/h	SAVE 97 ≤ 7.9 m³/h	SAVE 97 ≤ 7.9 m³/h SAVE 125 ≤ 19.6 m³/h SAVE 180 ≤ 48.4 m³/h SAVE 250 ≤ 118.4 m³/h
Number of connections	Type S de 40 and 50 mm 2–4 connections Type M de 40 and 50 mm 2–8 connections Type L de 40 and 50 mm 9–16 connections	Type SMART horizontal de 40 and 50 mm 2–3 connections Type SMART vertical de 40 and 50 mm 2–6 connections	Type 1 de 32 and 40 and 50 mm 2–5 connections Type 2 de 32 and 40 and 50 mm 6–11 connections Type 3 de 32 and 40 and 50 mm 12–36 connections Type 4 de 32 and 40 and 50 mm Freely selectable, approx. 37–100 connections
Available cover classes	200 kg or A15	B125	A15 or B125 or D400
Filling and emptying valve Rp 1 1/4"	Yes	Available with or without	Yes
Air vent	No	Available with or without	Available with or without
Rp 1/2" connection	Optionally available		
Ball valve	Type GF 375 DN 32 with removable ball seat and flat-sealing connections		
Balancing valves – inline setter	5–42 l/min or 20–70 l/min		
Balancing valves – hyline setter	Not available	Not available	10–25 l/min or 20–60 l/min
Dimension – main outlet to heat pump	Type S de 63 mm Type M de 63–75 mm Type L de 63–110 mm Dimension depends on the number of connections	de 63 mm	Freely selectable
Applications			
Pavement and green areas	✓	✓	✓
Floor slabs (buildings)		✓	✓
Groundwater		✓	✓
Directly passable up to class B125		✓	✓
Main barrier available	✓	✓	✓

GEROtherm® manhole – the product and its strengths

With our proven and high-quality products, you don't take any risks. You receive the manhole ready for connection on your construction site and can immediately start connecting the geothermal probes. The welding connections of the GEROtherm® collectors/distributors comply with DVS guideline 2207-1 and meet the requirements of SIA 384/6.



Small manhole – Type S – M – L

- + High availability
- + Short delivery time
- + Original GEROtherm® SAVE collector/distributor
- + High Kvs value for low energy consumption
- + Large filling and emptying valve Rp 1 1/4"
- + Integrated crane lugs for handling and transport
- + Optimum horizontal probe connection
- + Optional main barriers
- + Optional bolted covers



Manhole – Type SMART (horizontal/vertical)

- + High availability
- + Short delivery time
- + Original GEROtherm® SAVE collector/distributor
- + High Kvs value for low energy consumption
- + Optional large filling and emptying valve Rp 1 1/4"
- + Integrated crane lugs for handling and transport
- + Optional main barriers
- + Directly passable up to class B125
- + Cast cover inscription "GEOTHERMAL ENERGY"
- + Can be used in floor slabs
- + Can be used in groundwater areas



Manhole – Type 1 – 4

- + High availability
- + Object-specific advice and design including plant drawing
- + Original GEROtherm® SAVE collector/distributor
- + Directly passable up to class B125
- + Cast cover inscription "GEOTHERMAL ENERGY"
- + Integrated crane lugs for handling and transport
- + Optimum horizontal probe connection
- + Can be used in floor slabs
- + Can be used in groundwater areas
- + Optional automatic venting
- + Optional main barriers
- + Optional on-site level adjustment
- + Optional dome sealing against pressing water
- + Use of customer-specific fittings
- + Installation of stainless-steel ladder including entry aid manufactured according to SN EN 14396 possible
- + Installation of accessories (such as light, sump pump, hatches with drive motors, etc.) possible

GEROthem® manhole – more than just a product

As a leading manufacturer in the area of geothermal systems with decades of experience, we support you from the planning phase right through to the delivery of the manhole on the construction site. Below are some of the added-value services you receive with HakaGerodur AG manholes:

Design of customised specialist solutions



Optimised arrangement of the fittings and use of accessories as desired



Installation instructions for manholes and cover inscriptions



HakaGerodur AG
Giessenstrasse 3
CH-8717 Benken

T +41 (0)55 293 25 25

sekretariat@hakagerodur.ch
www.hakagerodur.ch