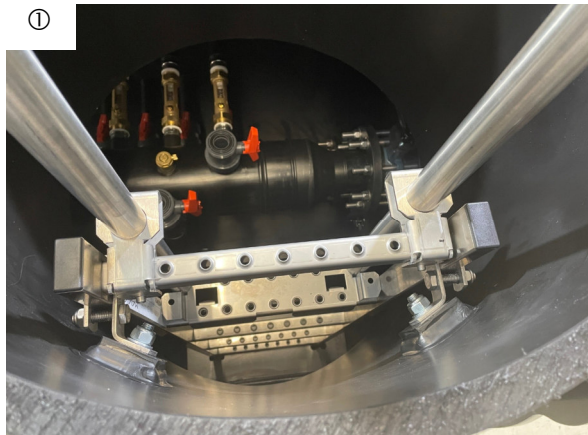


GEROtherm[®] – supplementary information

Extendable stainless-steel access ladder in the manhole

Extendable stainless-steel access ladder in the manhole

The access ladder is extendable, made of stainless steel and manufactured in accordance with the applicable standard SIA 190.112/DIN EN 14396. Installation is carried out in accordance with this standard. The access ladder is permanently installed on the inside of the dome ① and in the lower part on a platform ②.



The entry aid can be extended if needed and fixed on the top rung for safe entry ③.

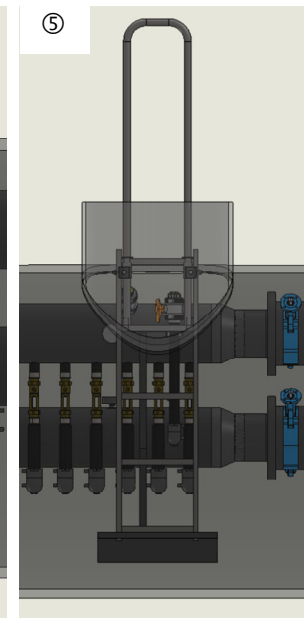
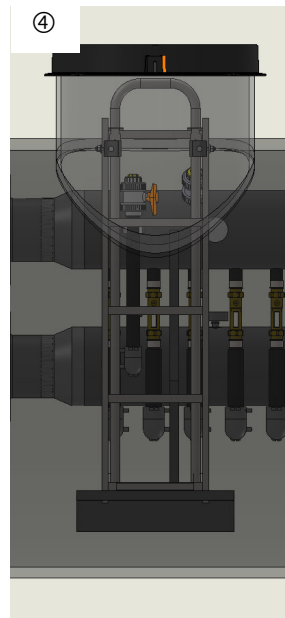


Positions of the extendable entry aid:

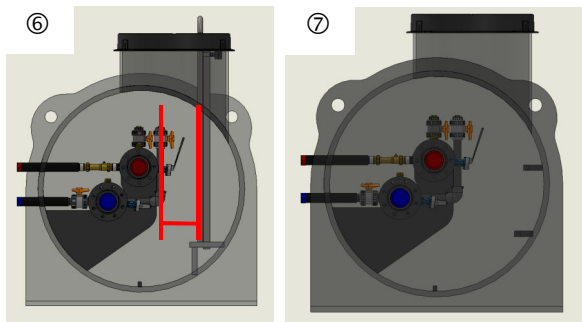
Manhole cover

④ closed

⑤ open



If space is lacking ⑥ for unobstructed access or at the customer's request, PE steps ⑦ can be installed on the shaft wall instead. These, however, are not compliant with the standard.



For the access ladder, there must at least be enough space ⑧ for the service personnel. (For possible configurations, see page 4.)



The mounting position ⑨ of the ladder with manhole type 4 is in the middle between the collector and distributor manifolds.



If the dome height is ≤ 500 mm, the dome entrance has a dimension of 630 mm.

If the dome height is > 500 mm, the dome entrance has a dimension of 800 mm.

Guide values for access ladder with a dome height of 300 mm

Type	Main pipe	Access ladder	Number of rungs	with SAVE97	with SAVE125	with SAVE180	with SAVE250
Type 1	Outside diameter 1000 mm	x		x	x	x	x
Type 1	Outside diameter 1200 mm	x		x	x	x	x
Type 2	Outside diameter 1000 mm	x		x	x	x	x
Type 2 / type 3	Outside diameter 1200 mm	x		x	x	x	x
Type 3	Outside diameter 1400 mm	✓	5	✓	✓	✓	✓
Type 4	Inside diameter 1600 mm	Mandatory	6	✓	✓	✓	x
Type 4	Inside diameter 1800 mm	Mandatory	7	✓	✓	✓	✓
Type 4	Inside diameter 2000 mm	Mandatory	8	✓	✓	✓	✓

x = Installation not possible

✓ = Installation possible

If the dome height changes, the installation of an access ladder must be reassessed. Alternatively, PE steps or a larger main pipe can be used.