

## General information:

- This document contains guide values. Effective values can be found on an building-specific drawing.
- The centre distance of the EWS connections is 130 mm.
- The values have been calculated using GF ball valves and inline setters. Other fittings must be considered separately.
- Length measurements vary depending on the SAVE used and the main outlets to the heat pump.  
The length measurements were calculated as follows:
  - Manhole with SAVE97, main outlet 63 mm
  - Manhole with SAVE125, main outlet 125 mm
  - Manhole with SAVE180, main outlet 160 mm
  - Manhole with SAVE250, main outlet 225 mm
- Weight specification depends on the used control valves, SAVE, shut-off valves and main outlets.  
Total weight was evaluated with the maximum possible SAVE, an optional main barrier and with cast cover load class B125.
- The total heights were calculated with a dome height of 300 mm.  
Information: If the dome height is  $\leq 500$  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.
- An electrofusion coupler socket is used with SAVE from a total length of 6 metres. (For type 4 from 89 to 100 connections)

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 1

Number of connections [units]	Main pipe outside diameter [mm]	Total height [mm]	Dome height [mm]	Trench [mm]	Total weight Load class B125 [Kg]	Shut-off valve GF-KH 63 mm	Shut-off valve GF-KH 75 mm	Shut-off valve GF-KH 90 mm	Shut-off valve GF-KH 110 mm
2	<b>1000</b>	1400	300	1000	225	✓	✓	✓	✓
3	<b>1000</b>	1400	300	1000	230	✓	✗	✓	✗
4	<b>1000</b>	1400	300	1000	235	✗	✗	✗	✗

Number of connections [units]	Main pipe outside diameter [mm]	Total height [mm]	Dome height [mm]	Trench [mm]	Total weight load class B125 [Kg]	Shut-off valve GF-KH 63 mm	Shut-off valve GF-KH 75 mm	Shut-off valve GF-KH 90 mm	Shut-off valve GF-KH 110 mm
2	<b>1200</b>	1400	300	1000	284	✓	✓	✓	✓
3	<b>1200</b>	1400	300	1000	288	✓	✓	✓	✓
4	<b>1200</b>	1400	300	1000	292	✓	✓	✓	✓
5	<b>1200</b>	1400	300	1000	296	✗	✗	✗	✗

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 2

Number of connections [units]	Main pipe outside diameter [mm]	Total length excluding main barrier [mm]	Total length including main barrier [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 850 – 900	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180	SAVE250
6	<b>1000</b>	1130	1490	1380	300	900	280	✓	✓	✗	✗
7	<b>1000</b>	1260	1620	1380	300	900	290	✓	✓	✗	✗
8	<b>1000</b>	1390	1750	1380	300	900	300	✓	✓	✗	✗
9	<b>1000</b>	1520	1880	1380	300	900	310	✓	✓	✗	✗
10	<b>1000</b>	1650	2010	1380	300	900	320	✓	✓	✗	✗
11	<b>1000</b>	1780	2140	1380	300	900	330	✓	✓	✗	✗

Main outlet up to Ø125 mm (DN100) possible.

Number of connections [units]	Main pipe outside diameter [mm]	Total length excluding main barrier [mm]	Total length including main barrier [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 860 – 1100	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180*	SAVE250
6	<b>1200</b>	1170	1760	1580	300	1000	405	✓	✓	✓	✗
7	<b>1200</b>	1300	1890	1580	300	1000	420	✓	✓	✓	✗
8	<b>1200</b>	1430	2020	1580	300	1000	435	✓	✓	✓	✗
9	<b>1200</b>	1560	2150	1580	300	1000	450	✓	✓	✓	✗
10	<b>1200</b>	1690	2280	1580	300	1000	465	✓	✓	✓	✗
11	<b>1200</b>	1820	2410	1580	300	1000	480	✓	✓	✓	✗

\* SAVE 180 trench only 900 mm to 940 mm possible. Main outlet up to Ø125 mm (DN100) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 3

Number of connections [units]	Main pipe outside diameter [mm]	Total length excluding main barrier [mm]	Total length including main barrier [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 990 – 1260	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180*	SAVE250
12	1200	1950	2540	1580	300	1100	594	✓	✓	✓	✗
13	1200	2080	2670	1580	300	1100	616	✓	✓	✓	✗
14	1200	2210	2800	1580	300	1100	638	✓	✓	✓	✗
15	1200	2340	2930	1580	300	1100	660	✓	✓	✓	✗
16	1200	2470	3060	1580	300	1100	682	✓	✓	✓	✗
17	1200	2600	3190	1580	300	1100	704	✓	✓	✓	✗
18	1200	2730	3320	1580	300	1100	726	✓	✓	✓	✗
19	1200	2860	3450	1580	300	1100	748	✓	✓	✓	✗
20	1200	2990	3580	1580	300	1100	770	✓	✓	✓	✗
21	1200	3120	3710	1580	300	1100	792	✓	✓	✓	✗
22	1200	3250	3840	1580	300	1100	814	✓	✓	✓	✗
23	1200	3380	3970	1580	300	1100	836	✓	✓	✓	✗
24	1200	3510	4100	1580	300	1100	858	✓	✓	✓	✗
25	1200	3640	4230	1580	300	1100	880	✓	✓	✓	✗
26	1200	3770	4360	1580	300	1100	902	✓	✓	✓	✗
27	1200	3900	4490	1580	300	1100	924	✓	✓	✓	✗
28	1200	4030	4620	1580	300	1100	946	✓	✓	✓	✗
29	1200	4160	4750	1580	300	1100	968	✓	✓	✓	✗
30	1200	4290	4880	1580	300	1100	990	✓	✓	✓	✗
31	1200	4420	5010	1580	300	1100	1012	✓	✓	✓	✗
32	1200	4550	5140	1580	300	1100	1034	✓	✓	✓	✗
33	1200	4680	5270	1580	300	1100	1056	✓	✓	✓	✗
34	1200	4810	5400	1580	300	1100	1078	✓	✓	✓	✗
35	1200	4940	5530	1580	300	1100	1100	✓	✓	✓	✗
36	1200	5070	5660	1580	300	1100	1122	✓	✓	✓	✗

\* SAVE 180 trench only 1100 mm possible. Main outlet up to Ø180 mm (DN150) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 3

Number of connections [units]	Main pipe outside diameter [mm]	Total length excluding main barrier [mm]	Total length including main barrier [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 950 – 1450	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180*	SAVE250*
12	1400	2010	2625	1780	300	1250	779	✓	✓	✓	✓
13	1400	2140	2755	1780	300	1250	801	✓	✓	✓	✓
14	1400	2270	2885	1780	300	1250	824	✓	✓	✓	✓
15	1400	2400	3015	1780	300	1250	846	✓	✓	✓	✓
16	1400	2530	3145	1780	300	1250	868	✓	✓	✓	✓
17	1400	2660	3275	1780	300	1250	890	✓	✓	✓	✓
18	1400	2790	3405	1780	300	1250	912	✓	✓	✓	✓
19	1400	2920	3535	1780	300	1250	934	✓	✓	✓	✓
20	1400	3050	3665	1780	300	1250	957	✓	✓	✓	✓
21	1400	3180	3795	1780	300	1250	979	✓	✓	✓	✓
22	1400	3310	3925	1780	300	1250	1001	✓	✓	✓	✓
23	1400	3440	4055	1780	300	1250	1023	✓	✓	✓	✓
24	1400	3570	4185	1780	300	1250	1045	✓	✓	✓	✓
25	1400	3700	4315	1780	300	1250	1067	✓	✓	✓	✓
26	1400	3830	4445	1780	300	1250	1089	✓	✓	✓	✓
27	1400	3960	4575	1780	300	1250	1112	✓	✓	✓	✓
28	1400	4090	4705	1780	300	1250	1134	✓	✓	✓	✓
29	1400	4220	4835	1780	300	1250	1156	✓	✓	✓	✓
30	1400	4350	4965	1780	300	1250	1178	✓	✓	✓	✓
31	1400	4480	5095	1780	300	1250	1200	✓	✓	✓	✓
32	1400	4610	5225	1780	300	1250	1222	✓	✓	✓	✓
33	1400	4740	5355	1780	300	1250	1245	✓	✓	✓	✓
34	1400	4870	5485	1780	300	1250	1267	✓	✓	✓	✓
35	1400	5000	5615	1780	300	1250	1289	✓	✓	✓	✓
36	1400	5130	5745	1780	300	1250	1311	✓	✓	✓	✓

\* SAVE 180 trench only 1200 mm to 1450 mm possible. Main outlet up to Ø225 mm (DN200) possible.

\* SAVE 250 trench only 1250 mm possible. Main outlet up to Ø225 mm (DN200) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1155 – 1835	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180*	SAVE250
37	1600	2860	3780	3780	2150	300	1200	1421	✓	✓	✓	✗
38	1600	2860	3780	3780	2150	300	1200	1431	✓	✓	✓	✗
39	1600	2990	3910	3910	2150	300	1200	1463	✓	✓	✓	✗
40	1600	2990	3910	3910	2150	300	1200	1482	✓	✓	✓	✗
41	1600	3120	4040	4040	2150	300	1200	1514	✓	✓	✓	✗
42	1600	3120	4040	4040	2150	300	1200	1525	✓	✓	✓	✗
43	1600	3250	4170	4170	2150	300	1200	1557	✓	✓	✓	✗
44	1600	3250	4170	4170	2150	300	1200	1567	✓	✓	✓	✗
45	1600	3380	4300	4300	2150	300	1200	1600	✓	✓	✓	✗
46	1600	3380	4300	4300	2150	300	1200	1610	✓	✓	✓	✗
47	1600	3510	4430	4430	2150	300	1200	1642	✓	✓	✓	✗
48	1600	3510	4430	4430	2150	300	1200	1653	✓	✓	✓	✗
49	1600	3640	4560	4560	2150	300	1200	1685	✓	✓	✓	✗
50	1600	3640	4560	4560	2150	300	1200	1696	✓	✓	✓	✗
51	1600	3770	4690	4690	2150	300	1200	1728	✓	✓	✓	✗
52	1600	3770	4690	4690	2150	300	1200	1739	✓	✓	✓	✗
53	1600	3900	4820	4820	2150	300	1200	1771	✓	✓	✓	✗
54	1600	3900	4820	4820	2150	300	1200	1789	✓	✓	✓	✗
55	1600	4030	4950	4950	2150	300	1200	1821	✓	✓	✓	✗
56	1600	4030	4950	4950	2150	300	1200	1832	✓	✓	✓	✗
57	1600	4160	5080	5080	2150	300	1200	1864	✓	✓	✓	✗
58	1600	4160	5080	5080	2150	300	1200	1875	✓	✓	✓	✗
59	1600	4290	5210	5210	2150	300	1200	1907	✓	✓	✓	✗
60	1600	4290	5210	5210	2150	300	1200	1918	✓	✓	✓	✗
61	1600	4420	5340	5340	2150	300	1200	1950	✓	✓	✓	✗
62	1600	4420	5340	5340	2150	300	1200	1961	✓	✓	✓	✗

\* SAVE 180 trench only 1415 mm possible. Main outlet up to Ø180 mm (DN150) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1155 – 1835	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180*	SAVE250
63	1600	4550	5470	5470	2150	300	1200	1993	✓	✓	✓	✗
64	1600	4550	5470	5470	2150	300	1200	2004	✓	✓	✓	✗
65	1600	4680	5600	5600	2150	300	1200	2036	✓	✓	✓	✗
66	1600	4680	5600	5600	2150	300	1200	2047	✓	✓	✓	✗
67	1600	4810	5730	5730	2150	300	1200	2079	✓	✓	✓	✗
68	1600	4810	5730	5730	2150	300	1200	2097	✓	✓	✓	✗
69	1600	4940	5860	5860	2150	300	1200	2129	✓	✓	✓	✗
70	1600	4940	5860	5860	2150	300	1200	2140	✓	✓	✓	✗
71	1600	5070	5990	5990	2150	300	1200	2172	✓	✓	✓	✗
72	1600	5070	5990	5990	2150	300	1200	2183	✓	✓	✓	✗
73	1600	5200	6120	6120	2150	300	1200	2215	✓	✓	✓	✗
74	1600	5200	6120	6120	2150	300	1200	2226	✓	✓	✓	✗
75	1600	5330	6250	6250	2150	300	1200	2258	✓	✓	✓	✗
76	1600	5330	6250	6250	2150	300	1200	2268	✓	✓	✓	✗
77	1600	5460	6380	6380	2150	300	1200	2301	✓	✓	✓	✗
78	1600	5460	6380	6380	2150	300	1200	2311	✓	✓	✓	✗
79	1600	5590	6510	6510	2150	300	1200	2343	✓	✓	✓	✗
80	1600	5590	6510	6510	2150	300	1200	2354	✓	✓	✓	✗
81	1600	5720	6640	6640	2150	300	1200	2386	✓	✓	✓	✗
82	1600	5720	6640	6640	2150	300	1200	2405	✓	✓	✓	✗
83	1600	5850	6770	6770	2150	300	1200	2437	✓	✓	✓	✗
84	1600	5850	6770	6770	2150	300	1200	2447	✓	✓	✓	✗
85	1600	5980	6900	6900	2150	300	1200	2480	✓	✓	✓	✗
86	1600	5980	6900	6900	2150	300	1200	2490	✓	✓	✓	✗
87	1600	6110	7030	7030	2150	300	1200	2522	✓	✓	✓	✗
88	1600	6110	7030	7030	2150	300	1200	2533	✓	✓	✓	✗

\* SAVE 180 trench only 1415 mm possible. Main outlet up to Ø180 mm (DN150) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1155 – 1835	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180*	SAVE250
89	1600	6580	7500	7500	2150	300	1200	2565	✓	✓	✓	✗
90	1600	6580	7500	7500	2150	300	1200	2576	✓	✓	✓	✗
91	1600	6710	7630	7630	2150	300	1200	2608	✓	✓	✓	✗
92	1600	6710	7630	7630	2150	300	1200	2619	✓	✓	✓	✗
93	1600	6840	7760	7760	2150	300	1200	2651	✓	✓	✓	✗
94	1600	6840	7760	7760	2150	300	1200	2662	✓	✓	✓	✗
95	1600	6970	7890	7890	2150	300	1200	2694	✓	✓	✓	✗
96	1600	6970	7890	7890	2150	300	1200	2712	✓	✓	✓	✗
97	1600	7100	8020	8020	2150	300	1200	2744	✓	✓	✓	✗
98	1600	7100	8020	8020	2150	300	1200	2755	✓	✓	✓	✗
99	1600	7230	8150	8150	2150	300	1200	2787	✓	✓	✓	✗
100	1600	7230	8150	8150	2150	300	1200	2798	✓	✓	✓	✗

\* SAVE 180 trench only 1415 mm possible. Main outlet up to Ø180 mm (DN150) possible.



# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1400 – 1660	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180	SAVE250*
37	1800	3300	4200	4150	2364	300	1400	1647	✓	✓	✓	✓
38	1800	3300	4200	4150	2364	300	1400	1654	✓	✓	✓	✓
39	1800	3430	4330	4280	2364	300	1400	1687	✓	✓	✓	✓
40	1800	3430	4330	4280	2364	300	1400	1705	✓	✓	✓	✓
41	1800	3560	4460	4410	2364	300	1400	1738	✓	✓	✓	✓
42	1800	3560	4460	4410	2364	300	1400	1745	✓	✓	✓	✓
43	1800	3690	4590	4540	2364	300	1400	1778	✓	✓	✓	✓
44	1800	3690	4590	4540	2364	300	1400	1786	✓	✓	✓	✓
45	1800	3820	4720	4670	2364	300	1400	1819	✓	✓	✓	✓
46	1800	3820	4720	4670	2364	300	1400	1827	✓	✓	✓	✓
47	1800	3950	4850	4800	2364	300	1400	1859	✓	✓	✓	✓
48	1800	3950	4850	4800	2364	300	1400	1867	✓	✓	✓	✓
49	1800	4080	4980	4930	2364	300	1400	1900	✓	✓	✓	✓
50	1800	4080	4980	4930	2364	300	1400	1908	✓	✓	✓	✓
51	1800	4210	5110	5060	2364	300	1400	1941	✓	✓	✓	✓
52	1800	4210	5110	5060	2364	300	1400	1948	✓	✓	✓	✓
53	1800	4340	5240	5190	2364	300	1400	1981	✓	✓	✓	✓
54	1800	4340	5240	5190	2364	300	1400	1999	✓	✓	✓	✓
55	1800	4470	5370	5320	2364	300	1400	2032	✓	✓	✓	✓
56	1800	4470	5370	5320	2364	300	1400	2039	✓	✓	✓	✓
57	1800	4600	5500	5450	2364	300	1400	2072	✓	✓	✓	✓
58	1800	4600	5500	5450	2364	300	1400	2080	✓	✓	✓	✓
59	1800	4730	5630	5580	2364	300	1400	2113	✓	✓	✓	✓
60	1800	4730	5630	5580	2364	300	1400	2121	✓	✓	✓	✓
61	1800	4860	5760	5710	2364	300	1400	2153	✓	✓	✓	✓
62	1800	4860	5760	5710	2364	300	1400	2161	✓	✓	✓	✓

\* SAVE 250 trench only 1500 mm possible. Main outlet up to Ø250 mm (DN250) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1400 – 1660	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180	SAVE250*
63	1800	4990	5890	5840	2364	300	1400	2194	✓	✓	✓	✓
64	1800	4990	5890	5840	2364	300	1400	2202	✓	✓	✓	✓
65	1800	5120	6020	5970	2364	300	1400	2235	✓	✓	✓	✓
66	1800	5120	6020	5970	2364	300	1400	2242	✓	✓	✓	✓
67	1800	5250	6150	6100	2364	300	1400	2275	✓	✓	✓	✓
68	1800	5250	6150	6100	2364	300	1400	2293	✓	✓	✓	✓
69	1800	5380	6280	6230	2364	300	1400	2326	✓	✓	✓	✓
70	1800	5380	6280	6230	2364	300	1400	2333	✓	✓	✓	✓
71	1800	5510	6410	6360	2364	300	1400	2366	✓	✓	✓	✓
72	1800	5510	6410	6360	2364	300	1400	2374	✓	✓	✓	✓
73	1800	5640	6540	6490	2364	300	1400	2407	✓	✓	✓	✓
74	1800	5640	6540	6490	2364	300	1400	2415	✓	✓	✓	✓
75	1800	5770	6670	6620	2364	300	1400	2448	✓	✓	✓	✓
76	1800	5770	6670	6620	2364	300	1400	2455	✓	✓	✓	✓
77	1800	5900	6800	6750	2364	300	1400	2488	✓	✓	✓	✓
78	1800	5900	6800	6750	2364	300	1400	2496	✓	✓	✓	✓
79	1800	6030	6930	6880	2364	300	1400	2529	✓	✓	✓	✓
80	1800	6030	6930	6880	2364	300	1400	2536	✓	✓	✓	✓
81	1800	6160	7060	7010	2364	300	1400	2569	✓	✓	✓	✓
82	1800	6160	7060	7010	2364	300	1400	2587	✓	✓	✓	✓
83	1800	6290	7190	7140	2364	300	1400	2620	✓	✓	✓	✓
84	1800	6290	7190	7140	2364	300	1400	2628	✓	✓	✓	✓
85	1800	6420	7320	7270	2364	300	1400	2660	✓	✓	✓	✓
86	1800	6420	7320	7270	2364	300	1400	2668	✓	✓	✓	✓
87	1800	6550	7450	7400	2364	300	1400	2701	✓	✓	✓	✓
88	1800	6550	7450	7400	2364	300	1400	2709	✓	✓	✓	✓

\* SAVE 250 trench only 1500 mm possible. Main outlet up to Ø250 mm (DN250) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4

## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1,400 – 1,660	Total weight Load class B125 [Kg]	SAVE97	SAVE125	SAVE180	SAVE250*
89	1800	7020	7920	7870	2364	300	1400	2742	✓	✓	✓	✓
90	1800	7020	7920	7870	2364	300	1400	2749	✓	✓	✓	✓
91	1800	7150	8050	8000	2364	300	1400	2782	✓	✓	✓	✓
92	1800	7150	8050	8000	2364	300	1400	2790	✓	✓	✓	✓
93	1800	7280	8180	8130	2364	300	1400	2823	✓	✓	✓	✓
94	1800	7280	8180	8130	2364	300	1400	2830	✓	✓	✓	✓
95	1800	7410	8310	8260	2364	300	1400	2863	✓	✓	✓	✓
96	1800	7410	8310	8260	2364	300	1400	2881	✓	✓	✓	✓
97	1800	7540	8440	8390	2364	300	1400	2914	✓	✓	✓	✓
98	1800	7540	8440	8390	2364	300	1400	2922	✓	✓	✓	✓
99	1800	7670	8570	8520	2364	300	1400	2954	✓	✓	✓	✓
100	1800	7670	8570	8520	2364	300	1400	2962	✓	✓	✓	✓

\* SAVE 250 trench only 1500 mm possible. Main outlet up to Ø250 mm (DN250) possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1110 – 2200	Total weight load class B125 [Kg]	SAVE97	SAVE125*	SAVE180*	SAVE250*
37	2000	3300	4200	4150	2565	300	1600	1907	✓	✓	✓	✓
38	2000	3300	4200	4150	2565	300	1600	1915	✓	✓	✓	✓
39	2000	3430	4330	4280	2565	300	1600	1950	✓	✓	✓	✓
40	2000	3430	4330	4280	2565	300	1600	1971	✓	✓	✓	✓
41	2000	3560	4460	4410	2565	300	1600	2006	✓	✓	✓	✓
42	2000	3560	4460	4410	2565	300	1600	2014	✓	✓	✓	✓
43	2000	3690	4590	4540	2565	300	1600	2049	✓	✓	✓	✓
44	2000	3690	4590	4540	2565	300	1600	2057	✓	✓	✓	✓
45	2000	3820	4720	4670	2565	300	1600	2092	✓	✓	✓	✓
46	2000	3820	4720	4670	2565	300	1600	2100	✓	✓	✓	✓
47	2000	3950	4850	4800	2565	300	1600	2135	✓	✓	✓	✓
48	2000	3950	4850	4800	2565	300	1600	2143	✓	✓	✓	✓
49	2000	4080	4980	4930	2565	300	1600	2178	✓	✓	✓	✓
50	2000	4080	4980	4930	2565	300	1600	2186	✓	✓	✓	✓
51	2000	4210	5110	5060	2565	300	1600	2221	✓	✓	✓	✓
52	2000	4210	5110	5060	2565	300	1600	2229	✓	✓	✓	✓
53	2000	4340	5240	5190	2565	300	1600	2264	✓	✓	✓	✓
54	2000	4340	5240	5190	2565	300	1600	2284	✓	✓	✓	✓
55	2000	4470	5370	5320	2565	300	1600	2319	✓	✓	✓	✓
56	2000	4470	5370	5320	2565	300	1600	2327	✓	✓	✓	✓
57	2000	4600	5500	5450	2565	300	1600	2362	✓	✓	✓	✓

\* SAVE 125 trench only 1180 mm to 2120 mm possible.

\* SAVE 180 trench only 1260 mm to 2100 mm possible.

\* SAVE 250 trench only 1380 mm to 1960 mm possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1110 – 2200	Total weight load class B125 [Kg]	SAVE97	SAVE125*	SAVE180*	SAVE250*
58	2000	4600	5500	5450	2565	300	1600	2370	✓	✓	✓	✓
59	2000	4730	5630	5580	2565	300	1600	2405	✓	✓	✓	✓
60	2000	4730	5630	5580	2565	300	1600	2413	✓	✓	✓	✓
61	2000	4860	5760	5710	2565	300	1600	2448	✓	✓	✓	✓
62	2000	4860	5760	5710	2565	300	1600	2456	✓	✓	✓	✓
63	2000	4990	5890	5840	2565	300	1600	2491	✓	✓	✓	✓
64	2000	4990	5890	5840	2565	300	1600	2499	✓	✓	✓	✓
65	2000	5120	6020	5970	2565	300	1600	2534	✓	✓	✓	✓
66	2000	5120	6020	5970	2565	300	1600	2542	✓	✓	✓	✓
67	2000	5250	6150	6100	2565	300	1600	2577	✓	✓	✓	✓
68	2000	5250	6150	6100	2565	300	1600	2598	✓	✓	✓	✓
69	2000	5380	6280	6230	2565	300	1600	2633	✓	✓	✓	✓
70	2000	5380	6280	6230	2565	300	1600	2641	✓	✓	✓	✓
71	2000	5510	6410	6360	2565	300	1600	2676	✓	✓	✓	✓
72	2000	5510	6410	6360	2565	300	1600	2684	✓	✓	✓	✓
73	2000	5640	6540	6490	2565	300	1600	2719	✓	✓	✓	✓
74	2000	5640	6540	6490	2565	300	1600	2727	✓	✓	✓	✓
75	2000	5770	6670	6620	2565	300	1600	2762	✓	✓	✓	✓
76	2000	5770	6670	6620	2565	300	1600	2770	✓	✓	✓	✓
77	2000	5900	6800	6750	2565	300	1600	2805	✓	✓	✓	✓
78	2000	5900	6800	6750	2565	300	1600	2813	✓	✓	✓	✓

\* SAVE 125 trench only 1180 mm to 2120 mm possible.

\* SAVE 180 trench only 1260 mm to 2100 mm possible.

\* SAVE 250 trench only 1380 mm to 1960 mm possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4



## Guideline dimensions for GEROtherm<sup>®</sup> manhole type 4

Number of connections [units]	Inside diameter Main pipe [mm]	Total length excluding main barrier [mm]	Total length including 2 main barriers [mm]	Total length including 4 main barriers [mm]	Total height [mm]	Dome height [mm]	Trench [mm] 1110 – 2200	Total weight load class B125 [Kg]	SAVE97	SAVE125*	SAVE180*	SAVE250*
79	2000	6030	6930	6880	2565	300	1600	2848	✓	✓	✓	✓
80	2000	6030	6930	6880	2565	300	1600	2856	✓	✓	✓	✓
81	2000	6160	7060	7010	2565	300	1600	2891	✓	✓	✓	✓
82	2000	6160	7060	7010	2565	300	1600	2911	✓	✓	✓	✓
83	2000	6290	7190	7140	2565	300	1600	2946	✓	✓	✓	✓
84	2000	6290	7190	7140	2565	300	1600	2954	✓	✓	✓	✓
85	2000	6420	7320	7270	2565	300	1600	2989	✓	✓	✓	✓
86	2000	6420	7320	7270	2565	300	1600	2997	✓	✓	✓	✓
87	2000	6550	7450	7400	2565	300	1600	3032	✓	✓	✓	✓
88	2000	6550	7450	7400	2565	300	1600	3040	✓	✓	✓	✓
89	2000	7020	7920	7870	2565	300	1600	3075	✓	✓	✓	✓
90	2000	7020	7920	7870	2565	300	1600	3083	✓	✓	✓	✓
91	2000	7150	8050	8000	2565	300	1600	3118	✓	✓	✓	✓
92	2000	7150	8050	8000	2565	300	1600	3126	✓	✓	✓	✓
93	2000	7280	8180	8130	2565	300	1600	3161	✓	✓	✓	✓
94	2000	7280	8180	8130	2565	300	1600	3169	✓	✓	✓	✓
95	2000	7410	8310	8260	2565	300	1600	3204	✓	✓	✓	✓
96	2000	7410	8310	8260	2565	300	1600	3224	✓	✓	✓	✓
97	2000	7540	8440	8390	2565	300	1600	3260	✓	✓	✓	✓
98	2000	7540	8440	8390	2565	300	1600	3267	✓	✓	✓	✓
99	2000	7670	8570	8520	2565	300	1600	3303	✓	✓	✓	✓
100	2000	7670	8570	8520	2565	300	1600	3311	✓	✓	✓	✓

\* SAVE 125 trench only 1180 mm to 2120 mm possible.

\* SAVE 180 trench only 1260 mm to 2100 mm possible.

\* SAVE 250 trench only 1380 mm to 1960 mm possible.

# Guideline dimensions for GEROtherm<sup>®</sup> manholes types 1-4

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

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

× = 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.