

APPLICATIONS

Typical areas of use for Geberit Mapress Therm include closed cooling, refrigeration and heating circuits, as well as solar, district heating and compressed air applications. This makes the system suitable for use in both technical building systems and industrial applications.



←
Geberit Mapress Therm offers reliable protection against external corrosion in closed cooling or refrigeration circuits with condensate formation, and is just as suitable for industrial applications ...



→
... as it is for heating pipes in the floor area, and for radiators and heaters in technical building systems.

LIQUID MEDIA

Application purpose	Stainless steel, orange pressing indicator	Operating temperature	Maximum operating pressure
Cooling and heating water without antifreeze agent	■	0°C to 100°C	16 bar
Cooling and heating water with antifreeze agent	■	-30°C to +120°C ¹⁾	16 bar
District heating water ≤ 120°C	■	0°C to 120°C	16 bar
District heating water ≤ 140°C	■	0°C to 140°C	16 bar
Thermal medium (solar)	■	-25°C to +220°C ^{1) 2)}	16 bar

¹⁾ Use of inhibitors, corrosion protection agents and antifreeze agents requires prior approval of Geberit
²⁾ Service life with collector downtime: 200 h/a at 180°C, 60 h/a at 200°C, total of 500 h/service life at 220°C

³⁾ Usable negative pressure for Geberit piping systems: The negative pressure is derived from the air pressure at the place of installation minus the absolute pressure of 200 mbar. Example: Air pressure of 980 mbar - absolute pressure of 200 mbar = 780 mbar of usable negative pressure in the pipe system

GASEOUS MEDIA

Application purpose	Stainless steel, orange pressing indicator	Operating temperature	Maximum operating pressure
Compressed air (purity class oil 0-3)	■	0°C to 100°C	25 / 16 / 12 bar
Compressed air (purity class oil 0-X)	■	0°C to 100°C	25 / 16 / 12 bar
Negative pressure ³⁾	■	0°C to 100°C	Abs. ≥ 0.2 bar
Inert gases (e.g.nitrogen)	■	0°C to 100°C	25 / 16 / 12 bar

■ Applications with black CIR seal ring with predetermined operating data
■ Applications with blue FKM seal ring with predetermined operating data

Geberit Prodaja d.o.o.
Bezena 55a
2342 Ruše

www.geberit.al

Benefits at a glance:

- Ideal combination of cost-effectiveness and corrosion resistance
- Optimal solution for heating and cooling systems in technical building systems and industrial applications
- High level of processing safety thanks to orange pressing indicator and fittings that are leaky if unpressed
- Geberit Mapress system proven billions of times over
- Available dimensions ranging from d15 to d108 mm

NEW

■ GEBERIT

GEBERIT MAPRESS THERM
**DOES NOT MAKE
YOU SWEAT**

**KNOW
HOW
INSTALLED**



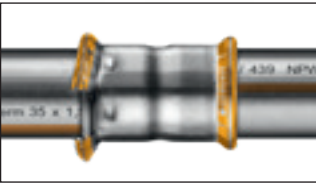
GEBERIT MAPRESS THERM
 COST-EFFECTIVE
 AND CORROSION-
 RESISTANT

The low-alloy Geberit Mapress Therm stainless steel system is a corrosion-resistant and economical solution for areas prone to moisture. In cooling systems, temperature differences between pipe contents and the external surroundings can result in the formation of condensed water. Potential risks of corrosion in heating pipes include moisture from cement-based materials, inadequate drying times, and unintended exposure to plaster or terrace water. Geberit Mapress Therm offers the ideal solution for these application scenarios at a consistent pricing level without requiring extensive rework.

EASY RECOGNITION
 Geberit Mapress Therm is clearly recognisable by its orange markings and the 'non-potable water' sign.

- The orange pressing indicator on the fitting also shows the dimensions.
- The pipes are marked with the material description next to the orange line.
- The fitting features a permanent non-potable water marking.

RELIABLE CONNECTION
 Unpressed connections can be easily detected before the pressure test: if the pressing indicator is still intact, the connection has not yet been pressed.



LEAKY IF UNPRESSED
 As long as it remains unpressed, the black CLR seal ring is leaky when pressure tested with air or water.

PROVEN CONNECTION TECHNOLOGY
 The existing Geberit Mapress pressing jaws, slings and pressing tools feature a compact and lightweight design for optimal processing. These can also be used for Geberit Mapress Therm, meaning new tools are not necessary.

SYSTEM FOR COOLING AND HEATING
 Geberit Mapress Therm is available in dimensions of d15 to d108 mm and offers a comprehensive assortment of fittings for cooling and heating.

BIM CONTENT
 The BIM content for Geberit Mapress Therm will be available in the catalogue module of the Geberit BIM plug-in from October 2023.

PRODUCT RANGE OVERVIEW GEBERIT MAPRESS THERM

Geberit Mapress Therm system pipe CrTi				
Art.-Nr.	DN	d, ø [mm]	L [m]	
49102	12	15	6	
49103	15	18	6	
49104	20	22	6	
49105	25	28	6	
49106	32	35	6	
49107	40	42	6	
49108	50	54	6	
49609	65	76.1	6	
49610	80	88.9	6	
49611	100	108	6	

Geberit Mapress Therm coupling				
Art.-Nr.	DN	d, ø [mm]	L [cm]	
44002	12	15	4.8	
44003	15	18	4.8	
44004	20	22	5	
44005	25	28	5.4	
44006	32	35	6.2	
44007	40	42	7.1	
44008	50	54	8.3	
44009	65	76.1	12.7	
44010	80	88.9	14.5	
44011	100	108	17.6	

Geberit Mapress Therm slipcoupling				
Art.-Nr.	DN	d, ø [mm]	L [cm]	
42102	12	15	8	
42103	15	18	8	
42104	20	22	8.4	
42105	25	28	9.1	
42106	32	35	10.2	
42107	40	42	12	
42108	50	54	14	
42109	65	76.1	23	
42110	80	88.9	26	
42111	100	108	31	

Geberit Mapress Therm adapter union with male thread					
Art.-Nr.	DN	d, ø [mm]	R [.]	G [.]	L [cm]
45430	12 / 15	15	1/2	3/4	6.4
45435	20	22	3/4	1	6.8
45437	25	28	1	1 1/4	7.8
45438	32	35	1 1/4	1 1/2	8.5
45439	40	42	1 1/2	1 3/4	9
45440	50	54	2	2 3/8	10.3

Geberit Mapress Therm adapter union with female thread					
Art.-Nr.	DN	d, ø [mm]	Rp [.]	G [.]	L [cm]
45402	15	18	1/2	3/4	5.9
45404	20	22	3/4	1	6.3
45406	25	28	1	1 1/4	7.1
45407	32	35	1 1/4	1 1/2	7.7
45408	40	42	1 1/2	1 3/4	8.2
45409	50	54	2	2 3/8	9.5

Geberit Mapress Therm reducer with plain end				
Art.-Nr.	DN	d, ø [mm]	d1, ø [mm]	L [cm]
42403	15 / 12	18	15	5.5
42405	20 / 12	22	15	5.9
42406	20 / 15	22	18	5.7
42407	25 / 12	28	15	6.6
42408	25 / 15	28	18	6.4
42409	25 / 20	28	22	6
42410	32 / 12	35	15	7.5
42412	32 / 20	35	22	7.1
42413	32 / 25	35	28	6.8
42418	40 / 32	42	35	7.7
42424	50 / 40	54	42	9.2
42428	65 / 50	76.1	54	14.6
42438	80 / 50	88.9	54	16.2
42439	80 / 65	88.9	76.1	16.1
42446	100 / 65	108	76.1	18.4
42448	100 / 80	108	88.9	20.3

Geberit Mapress Therm bend				
Art.-Nr.	DN	d, ø [mm]	arc [°]	L [cm]
42802	12	15	45°	2.8
42803	15	18	45°	2.9
42804	20	22	45°	3.2
42805	25	28	45°	3.7
42806	32	35	45°	4.3
42807	40	42	45°	5.1
42808	50	54	45°	6.2
42809	65	76.1	45°	10.3
42810	80	88.9	45°	11.7
42811	100	108	45°	14.3
41102	12	15	90°	3.8
41103	15	18	90°	4.2
41104	20	22	90°	4.7
41105	25	28	90°	5.7
41106	32	35	90°	6.8
41107	40	42	90°	8
41108	50	54	90°	10
41109	65	76.1	90°	15.9
41110	80	88.9	90°	18.5
41111	100	108	90°	23

Geberit Mapress Therm T-piece with female thread						
Art.-Nr.	DN	d, ø [mm]	Rp [.]	d1, ø [mm]	arc [°]	L [cm]
41304	12 / 15 / 12	15	1/2	15	90°	6.4
41305	15	18	1/2	18	90°	6.8
41307	20 / 15 / 20	22	1/2	22	90°	7.4
41309	25 / 15 / 25	28	1/2	28	90°	8.4
41350	25 / 20 / 25	28	3/4	28	90°	8.4
41312	32 / 15 / 32	35	1/2	35	90°	10
41313	32 / 20 / 32	35	3/4	35	90°	10
41316	40 / 15 / 40	42	1/2	42	90°	11.4
41326	65 / 20 / 65	76.1	3/4	76.1	90°	23
41331	80 / 20 / 80	88.9	3/4	88.9	90°	26
41336	100 / 20 / 100	108	3/4	108	90°	31
41360	50 / 15 / 50	54	1/2	54	90°	13.8

Geberit Mapress Therm bend with plain end				
Art.-Nr.	DN	d, ø [mm]	arc [°]	L [cm]
40702	12	15	45°	2.8
40703	15	18	45°	2.9
40704	20	22	45°	3.2
40705	25	28	45°	3.7
42706	32	35	45°	4.3
42707	40	42	45°	5.1
42708	50	54	45°	6.2
42709	65	76.1	45°	10.3
42710	80	88.9	45°	11.7
42711	100	108	45°	14.3
40302	12	15	90°	3.8
40303	15	18	90°	4.2
40304	20	22	90°	4.7
40305	25	28	90°	5.7
43306	32	35	90°	6.8
43307	40	42	90°	8
43308	50	54	90°	10
43309	65	76.1	90°	15.9
43310	80	88.9	90°	18.5
43311	100	108	90°	23

Geberit Mapress Therm T-piece, equal				
Art.-Nr.	DN	d, ø [mm]	arc [°]	L [cm]
43002	12	15	90°	6.4
43003	15	18	90°	6.8
43004	20	22	90°	7.4
43005	25	28	90°	8.4
43006	32	35	90°	10
43007	40	42	90°	11.4
43008	50	54	90°	13.8
43009	65	76.1	90°	23
43010	80	88.9	90°	26
43011	100	108	90°	31

Geberit Mapress Therm flange PN 10/16, with pressing socket				
Art.-Nr.	DN	d, ø [mm]	L [cm]	
43736	32	35	7.2	
43737	40	42	7.9	
43738	50	54	8.7	
43739	65	76.1	11.8	
43740	80	88.9	12.5	
43741	100	108	13	

Geberit Mapress Therm elbow adapter 90° with female thread					
Art.-Nr.	DN	d, ø [mm]	Rp [.]	arc [°]	L [cm]
43802	12 / 10	15	3/8	90°	5.7
43803	12 / 15	15	1/2	90°	5.7
43804	15	18	1/2	90°	5.7
43805	20	22	3/4	90°	6
43806	25	28	1	90°	6.7



Geberit Mapress Therm T-piece, reduced

Art.-Nr.	DN	d, ø [mm]	d1, ø [mm]	d2, ø [mm]	arc [°]	L [cm]
41204	15 / 12 / 15	18	15	18	90°	6.8
41206	20 / 12 / 20	22	15	22	90°	7.4
41207	20 / 15 / 20	22	18	22	90°	7.4
41209	25 / 12 / 25	28	15	28	90°	8.4
41210	25 / 15 / 25	28	18	28	90°	8.4
41211	25 / 20 / 25	28	22	28	90°	8.4
41212	32 / 12 / 32	35	15	35	90°	10
41213	32 / 15 / 32	35	18	35	90°	10
41214	32 / 20 / 32	35	22	35	90°	10
41215	32 / 25 / 32	35	28	35	90°	10
41216	40 / 12 / 40	42	15	42	90°	11.4
41219	40 / 25 / 40	42	28	42	90°	11.4
41220	40 / 32 / 40	42	35	42	90°	11.4
41221	50 / 12 / 50	54	15	54	90°	13.8
41224	50 / 25 / 50	54	28	54	90°	13.8
41225	50 / 32 / 50	54	35	54	90°	13.8
41226	50 / 40 / 50	54	42	54	90°	13.8
41229	65 / 20 / 65	76.1	22	76.1	90°	23
41231	65 / 32 / 65	76.1	35	76.1	90°	23
41233	65 / 50 / 65	76.1	54	76.1	90°	23
41236	80 / 20 / 80	88.9	22	88.9	90°	26
41238	80 / 32 / 80	88.9	35	88.9	90°	26
41240	80 / 50 / 80	88.9	54	88.9	90°	26
41241	80 / 65 / 80	88.9	76.1	88.9	90°	26
41244	100 / 20 / 100	108	22	108	90°	31
41246	100 / 32 / 100	108	35	108	90°	31
41248	100 / 50 / 100	108	54	108	90°	31
41249	100 / 65 / 100	108	76.1	108	90°	31

Geberit Mapress Therm cap				
Art.-Nr.	DN	d, ø [mm]	L [cm]	
43212	12	15	2.3	
43213	15	18	2.3	
43214	20	22	2.4	
43215	25	28	2.6	
43216	32	35	2.9	
43217	40	42	3.3	
43218	50	54	3.8	
43219	65	76.1	6	
43220	80	88.9	6.7	
43221	100	108	8.2	

Geberit Mapress Therm adapter with union nut				
Art.-Nr.	DN	d, ø [mm]	G [.]	L [cm]
45032	12 / 20	15	3/4	3.7
45033	15 / 20	18	3/4	3.7
45041	20 / 25	22	1	4
45044	20 / 32	22	1 1/4	4.3
45035	25 / 32	28	1 1/4	4.4
45036	32 / 40	35	1 1/2	4.8
45037	40	42	1 3/4	5.2
45038	50 / 60	54	2 3/8	5.8
45039	65 / 80	76.1	3	9.9
45040	80 / 90	88.9	3 1/2	11.1
45049	25 / 40	28	1 1/2	4.6

Geberit Mapress Therm adapter with male thread				
Art.-Nr.	DN	d, ø [mm]	R [L]	L [cm]
41703	12 / 15	15	1/2	4.1
41714	12 / 20	15	3/4	4.3
41726	12 / 10	15	3/8	3.8
41704	15	18	1/2	4.2
41705	15 / 20	18	3/4	4.4
41707	20	22	3/4	4.4
41715	20 / 15	22	1/2	4.2
41716	20 / 25	22	1	4.6
41708	25	28	1	4.8
41717	25 / 20	28	3/4	4.6
41718	25 / 32	28	1 1/4	4.8
41709	32	35	1 1/4	5.3
41719	32 / 25	35	1	5.1
41720	32 / 40	35	1 1/2	5.3
41710	40	42	1 1/2	5.7
41711	50	54	2	8.9
41722	50 / 40	54	1 1/2	8.3
41713	65	76.1	2 1/2	11.9
41724	80	88.9	3	13.7