Application overview – Geberit Mapress Therm

Geberit Great Britain, Version: December 2025

Application purposes	Operating temperature	Maximum operating pressure	Pipes	Fittings			Seal rings		Flat gaskets for screw connections			Flange gaskets
			CrTi steel 1.4520 / 439	Stainless steel, orange indicator	Gunmetal white indicator		CIIR, black	FKM, blue	EPDM, black	FPM, green	Fibre composite material	Fibre composite material
Liquid media (closed systems)												
For cooling and heating water without antifreeze agent	0–100 °C	16 bar / 1600 kPa	✓	✓	✓		✓[2]		✓[2]		✓	✓
For cooling and heating water with antifreeze agent	–30 – +120 °C[2]	16 bar / 1600 kPa	✓	✓	✓		✓[2]				✓	✓
For district heating water ≤ 120 °C	0–120 °C	16 bar / 1600 kPa	✓	✓	✓		✓[2]			✓	✓	✓
For district heating water ≤ 140 °C	0–140 °C	16 bar / 1600 kPa	✓	✓	✓			✓[2]			✓	✓
For sprinklers (wet)	0–100 °C	16 bar / 1600 kPa[4]	✓[5]	✓[5]			✓[5]		✓[5]		✓[5]	✓[5]
For extinguishing water (wet)	0–100 °C	16 bar / 1600 kPa[4]	✓[5]	✓[5]			✓[5]		✓[5]		✓[5]	✓[5]
For thermal media (solar)	–25 – +220 °C[3][2]	16 bar / 1600 kPa	✓	✓	✓			✓		✓	✓	✓
Gaseous media												
For compressed air (oil purity class 1–3)	0–100 °C	25/16/12 bar 2500/1600/1200 kPa	✓[6]	✓			✓		✓		✓	✓
For compressed air (oil purity class 1–X)	0–100 °C	25/16/12 bar 2500/1600/1200 kPa	✓[6]	✓				✓		✓	✓	✓
For negative pressure [1]	0–100 °C	Abs. ≥ 0,2 bar/20 kPa	✓	✓			✓				✓	✓
For inert gases (e.g. nitrogen)	0–100 °C	25/16/12 bar 2500/1600/1200 kPa	✓[6]	✓			✓		✓		✓	✓

✓ Application generally approved if the defined additional requirements are met in accordance with the footnotes

[1] Usable negative pressure for Geberit piping systems:
The usable negative pressure is calculated on the basis of the air pressure at the place of installation minus the absolute pressure of 200 mbar.
Example: 980 mbar air pressure - 200 mbar absolute pressure = 780 mbar usable negative pressure in the piping system
[2] Use of inhibitors, corrosion-protection agents, antifreeze agents only after approval by Geberit
[3] Lifetime with collector standstill: 200 h/a at 180 °C; 60 h/a at 200 °C; total 500 h/lifetime at 220 °C
[4] 16 bar / 1600 kPa for d22–88.9 mm, 12.5 bar / 1250 kPa for 108 mm
[5] d76.1-108 mm with pipes made of CrNiMo steel 1.4401
[6] 25 bar / 2500 kPa for d12–42 mm (d35-42mm only with pressing collars), 16 bar / 1600 kPa for d54–76.1 mm, 12 bar / 1200 kPa for d88.9–108 mm

- The operating conditions specified in the relevant approvals, standards and technical regulations must be observed for each application. These may deviate from the aforementioned specifications.