

Application overview – Geberit FlowFit

Geberit Great Britain, Version: December 2024

Application purposes	Operating temperature	Maximum operating pressure	System pipe				Fittings					O-rings	Flat gaskets for screw con- nections	Flange gaskets
			ML	ML therm NPW	PB			Plastic	Lead-free gunmetal	Lead-free silicon bronze	Brass	Stainless steel	EPDM, black	Fibre composite material
Liquid media														
For cold and hot potable water	0–70 °C ²⁾	10 bar /1000 kPa	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓
For cold potable water	0–20 °C	16 bar / 1600 kPa ⁵⁾	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓
For cooling and heating water without antifreeze agent	0–80 °C ³⁾	10 bar /1000 kPa	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
For cooling and heating water with antifreeze agent	–10 – +40 °C ⁴⁾	10 bar /1000 kPa	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
For service water and process water	0–70 °C	10 bar /1000 kPa	6)	6)	6)		6)	6)	6)		6)	6)	6)	6)
For treated water	0–70 °C	10 bar /1000 kPa	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾		✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾		✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾	✓ ⁷⁾
For rainwater with a pH value of > 6.0	0–70 °C	10 bar /1000 kPa	✓	✓	✓		✓	✓	✓ ⁸⁾	✓ ⁸⁾	✓	✓	✓	✓
For seawater	0–70 °C	10 bar /1000 kPa	✓	✓			✓	✓	✓		✓	✓	✓	✓
For chemicals and technical liquids	Upon request	Upon request	6)	6)	6)		6)	6)	6)	6)	6)	6)	6)	6)
Gaseous media														
For compressed air (oil purity class 0–3)	0–70 °C	10 bar /1000 kPa	✓	✓			✓	✓	✓	✓	✓	✓ ⁹⁾	✓	✓
For negative pressure ¹⁾	0–70 °C	Abs. ≥ 0,2 bar/20 kPa	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓

✓ 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⁾ Malfunction temperature in accordance with EN 806-2: Tmal = 95 °C, total 100 h over the course of the service life

³⁾ Malfunction temperature in accordance with ISO 10508:2006: Tmal = 100 °C, total 100 h over the course of the service life

⁴⁾ Higher temperatures after Geberit approval only

⁵⁾ 10 bar / 1000 kPa for MasterFix and MeplaFix

⁶⁾ Following Geberit approval

⁷⁾ Application range according to TI "Treated Waters"

⁸⁾ pH value ≥ 7.0 permissible in combination with silicon bronze or brass

⁹⁾ Oil purity class in accordance with ISO 8573-1:2010E; for details on moisture and particles, see technical information "Geberit Piping Systems for Compressed Air Installations"



- 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.