

Application overview – Geberit PushFit

Group, Version: April 2025

Application purposes	Operating temperature	Maximum operating pressure	System pipes			Fittings			O-rings	Flat gaskets for screw connections
			ML	ML Therm NPW	PB	Plastic	Gunmetal	Brass	EPDM, black	Fibre composite material
Liquid media										
For cold and hot potable water	0–70 °C ³⁾	10 bar / 1000 kPa	✓	✓	✓	✓	✓	✓	✓	✓
For cooling and heating water without antifreeze agent	0–80 °C ⁴⁾	10 bar / 1000 kPa	✓	✓		✓	✓	✓	✓ ⁷⁾	✓
For cooling and heating water with antifreeze agent	–10 – +40 °C	10 bar / 1000 kPa	✓	✓		✓	✓	✓	✓ ⁷⁾	✓
For service water and process water	0–70 °C	10 bar / 1000 kPa	5)	5)	5)	5)	5)		5)	5)
For treated water ¹⁾	0–70 °C	10 bar / 1000 kPa	✓	✓	✓	✓	✓		✓	✓
For rainwater with a pH value of > 6.0	0–70 °C	10 bar / 1000 kPa	✓	✓	✓	✓	✓	✓ ⁶⁾	✓	✓
For seawater	0–70 °C	10 bar / 1000 kPa	✓	✓		✓	✓		✓	✓
For chemicals and technical liquids	Upon request	Upon request	5)	5)	5)	5)	5)	5)	5)	5)
Gaseous media										
For compressed air (oil purity class 0–3)	0–70 °C	10 bar / 1000 kPa	✓	✓		✓	✓	✓	✓ ⁸⁾	✓
For negative pressure ²⁾	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⁾ Range of application according to Technical Information (TI) "Treated waters"

²⁾ 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

³⁾ Malfunction temperature in accordance with EN 806-2: Tmal = 95 °C, total 100 h over the course of the service life


⁴⁾ Malfunction temperature in accordance with ISO 10508:2006: Tmal = 100 °C, total 100 h over the course of the service life

⁵⁾ Following Geberit approval

⁶⁾ pH value ≥ 7.0 permissible in connection with brass

⁷⁾ Use of inhibitors, corrosion-protection agents, antifreeze agents only after approval by Geberit

⁸⁾ 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"

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- 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