

Application overview: Geberit PushFit

Group, version: December 2015

Application purposes	Operating temperature	Maximum operating pressure	Pipes			Fittings					O-rings	Flat gaskets for screw connections
			PushFit, PB	PushFit, ML	PushFit, ML, NPW	PVDF	PPSU	Gunmetal	Brass	Stainless steel	EPDM, black	Centellen® R 3825
Liquid media												
For cold and hot potable water	0-70 °C ¹⁾	10 bar / 1000 kPa	✓	✓		✓	✓	✓	✓	✓	✓	✓
For heating water	0-80 °C ²⁾	10 bar / 1000 kPa		✓	✓	✓	✓	✓	✓	✓	✓ ⁴⁾	✓
For cooling water without antifreeze agent	0-70 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓	✓	✓	✓	✓
For cooling water with antifreeze agent	-10 – +40 °C	10 bar / 1000 kPa		✓	✓	✓	✓ ³⁾	✓	✓	✓	✓ ⁵⁾	✓
For service water	0-40 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓		✓	✓ ³⁾	✓
For ultrapure water (except pharmaceutical water)	0-40 °C	10 bar / 1000 kPa		✓	✓	✓	✓			✓	✓	✓
For rainwater with a pH value of > 6.0	0-40 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓		✓	✓	✓
For salt water	0-70 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓			✓	✓
For extinguishing water (wet)	0-70 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓		✓	✓	✓
For extinguishing water (wet/dry, dry)	0-70 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓		✓	✓	✓
For chemicals and technical liquids	Upon request	Upon request	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾	✓ ³⁾
Gaseous media												
For compressed air (oil purity class 0-3)	0-70 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓	✓	✓	✓ ⁶⁾	✓
For negative pressure	0-40 °C	Abs. ≥ 0,2 bar / 20 kPa		✓	✓	✓	✓	✓	✓	✓	✓	✓
For inert gases (e.g. nitrogen)	0-40 °C	10 bar / 1000 kPa		✓	✓	✓	✓	✓	✓	✓	✓	✓

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

¹⁾ Malfunction temperature in accordance with EN 806-2: Tmal = 95 °C, total 100 h over the course of the service life

²⁾ Malfunction temperature in accordance with ISO 10508:2006: Tmal = 100 °C, total 100 h over the course of the service life

³⁾ After Geberit approval

⁴⁾ Only use approved inhibitors

⁵⁾ Only use approved antifreeze agents

⁶⁾ 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“