Application overview: Geberit PushFit

Group, version: November 2016

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 WS 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		10 bar / 1000 kPa		✓	✓	✓	✓	✓		✓	✓[3]	✓
For treated 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"