Application overview – Geberit Volex

Group, Version: April 2025

Application purposes	Operating temperature	Maximum operating pressure	Pipes		Fittings	Seal rings
			Volex, ML	Volex, SL	Brass	EPDM, black
Liquid media						
For cold and hot potable water	0–70 °C[2]	10 bar / 1000 kPa	✓		✓	✓
For cold and hot potable water	0–70 °C	6 bar / 600 kPa	✓		✓	✓
For cold potable water	0–20 °C[3]	16 bar / 1600 kPa	✓		✓	✓
For cold potable water	0–20 °C	6 bar / 600 kPa	✓		✓	✓
For heating water	0–80 °C	10 bar / 1000 kPa	✓		✓[6]	✓
For heating water	0–80 °C	6 bar / 600 kPa	✓	✓	✓[6]	✓
For cooling and heating water without antifreeze agent	0–70 °C	10 bar / 1000 kPa	✓		✓	✓
For cooling and heating water with antifreeze agent	–10 – +70 °C[4]	10 bar / 1000 kPa	✓		✓[7]	✓
For chemicals and technical liquids	Upon request	Upon request	✓[5]		✓[5]	✓[5]
Gaseous media						
For compressed air (oil purity class 0–3)	0–70 °C	10 bar / 1000 kPa	✓		✓	✓[8]
For negative pressure [1]	0–70 °C	Abs. ≥ 0,2 bar / 20 kPa	✓		✓	✓
For inert gases (e.g. nitrogen)	Upon request	Upon request	✓[5]		✓[5]	✓[5]

✓ 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] After Geberit approval
[6] Only use approved inhibitors
[7] Only use approved antifreeze agents
[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"

- 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