

Application overview – Geberit Mapress CuNiFe

Geberit India, Version: February 2020

Application purposes	Operating temperature	Maximum operating pressure	Pipes	Fittings	Seal rings			Flat gaskets for screw connections			Flange gaskets
			CuNiFe	CuNiFe	CIIR, black	FKM, blue	EPDM, black	FPM, green	Centellen® R WS 3825	Centellen® HD WS 3822	
Liquid media											
For cooling water without antifreeze agent	0–100 °C		✓	✓		✓		✓			✓
For cooling water with antifreeze agent	-30 – +120 °C		✓	✓		✓ ²⁾				✓	✓
For service water	0–100 °C		✓	✓		✓ ³⁾		✓ ³⁾			✓ ³⁾
For grey and black water with pH value > 6.0	0–100 °C		✓	✓		✓		✓			✓
For seawater	0–100 °C		✓	✓		✓		✓			✓
For extinguishing water (wet)	0–70 °C		✓	✓		✓		✓			✓
For sprinklers (wet)	0–70 °C		✓	✓		✓		✓			✓
For mineral and lubricating oil	Upon request	Upon request	✓	✓			✓		✓		✓
For motor fuels (e.g. diesel)	Upon request	Upon request	✓	✓			✓ ³⁾		✓ ³⁾		✓ ³⁾
Gaseous media											
For compressed air (oil purity class 0–3)	0–100 °C		✓	✓		✓ ⁴⁾					✓
For compressed air (oil purity class 0–4)	0–100 °C		✓	✓			✓ ⁴⁾		✓ ⁴⁾		✓
For negative pressure ¹⁾	0–40 °C	Abs. ≥ 0.2 bar/20 kPa	✓	✓		✓		✓			✓
For inert gases (e.g. nitrogen)	Upon request	Upon request	✓	✓		✓ ³⁾		✓ ³⁾			✓ ³⁾

✓ 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⁾ Only use approved antifreeze agents

³⁾ After Geberit approval

⁴⁾ 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“