

## Application overview – Geberit Mapress CuNiFe

Geberit Great Britain, Version: October 2018

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
<b>Liquid media</b>										
For cooling water without antifreeze agent	0–70 °C	13 bar / 1300 kPa	✓	✓	✓			✓		✓
For cooling water with antifreeze agent	-30 – +120 °C	13 bar / 1300 kPa	✓	✓	✓ <sup>2)</sup>				✓	✓
For service water	0–100 °C	13 bar / 1300 kPa	✓	✓	✓ <sup>3)</sup>			✓ <sup>3)</sup>		✓ <sup>3)</sup>
For grey and black water with pH value > 6.0	0–100 °C	13 bar / 1300 kPa	✓	✓	✓			✓		✓
For seawater	0–100 °C	13 bar / 1300 kPa	✓	✓	✓			✓		✓
For extinguishing water (wet)	0–70 °C	13 bar / 1300 kPa	✓	✓	✓			✓		✓
For sprinklers (wet)	0–70 °C	13 bar / 1300 kPa	✓	✓	✓			✓		✓
For mineral oils	Upon request	Upon request	✓	✓			✓		✓	✓
For fuels	Upon request	Upon request	✓	✓			✓ <sup>3)</sup>		✓ <sup>3)</sup>	✓ <sup>3)</sup>
<b>Gaseous media</b>										
For compressed air (oil purity class 0–3)	0–100 °C	10 bar / 1000 kPa	✓	✓	✓ <sup>4)</sup>					✓
For compressed air (oil purity class 0–X)	0–100 °C	10 bar / 1000 kPa	✓	✓			✓ <sup>4)</sup>		✓ <sup>4)</sup>	✓
For negative pressure <sup>1)</sup>	0–40 °C	Abs. ≥ 0.2 bar / 20 kPa	✓	✓	✓			✓		✓
For inert gases (e.g. nitrogen)	0–100 °C	10 bar / 1000 kPa	✓	✓	✓			✓		✓

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

<sup>1)</sup> 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

<sup>2)</sup> Only use approved antifreeze agents

<sup>3)</sup> After Geberit approval

<sup>4)</sup> 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“