

GEBERIT SUPPLY SYSTEMS
SATURATED STEAM
**SAFETY UNDER
PRESSURE AND HEAT**

Saturated steam is used in numerous industrial applications, including the chemical, petrochemical, refining, pulp and paper industries, to name just a few. And with temperatures reaching up to 155°C, this places high demands on the piping systems. Geberit Mapress Stainless Steel meets these requirements in conjunction with special seal rings designed for steam and condensate applications.

Geberit Oy
Lumijälki 2
01740 Vantaa

www.geberit.fi

Your contact at Geberit Finland:
Jukka Hakanen
Business Development Manager
Industry
t. +358 10 662 3522
jukka.hakanen@geberit.com

→
Check the chemical resistance
for Geberit pipe systems with
Geberit PipeSelect:
<https://pipeselect.geberit.fi/>

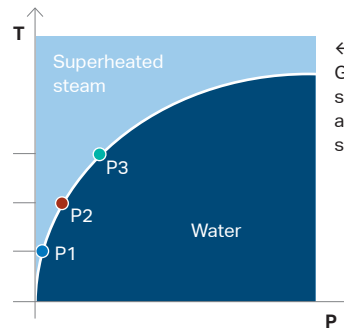




Two seal rings for steam applications: black up to 120°C, white up to 155°C

IDEAL FOR SATURATED STEAM

In combination with the white fluoro rubber seal ring (FKM white), Geberit Mapress Stainless Steel 1.4401 is capable of withstanding saturated steam and condensate up to a temperature of 155°C* and a pressure of 5.5 bar in dimensions up to DN100. The black CIIR standard seal ring can be used for temperatures up to 120°C and dimensions up to DN100.



← Geberit Mapress is suitable for the areas on and below the saturated steam curve.

VAPOUR PRESSURE TABLE

T [°C]	T [K]	pD [bar abs]	Steam volume [m³/kg]
100	373,15	1,014	1,67
110	383,15	1,434	1,21
120	393,15	1,987	0,89
125	398,15	2,322	0,77
130	403,15	2,703	0,67
135	408,15	3,312	0,58
140	413,15	3,615	0,51
145	418,15	4,156	0,45
150	423,15	4,761	0,39
155	428,15	5,434	0,35

APPLICATION AREAS

Higher temperatures on request

	Geberit Mapress Stainless Steel 1.4401	Dimensions [DN]	Temperature [°C]
Saturated steam and condensate	●	10 – 100	100 – 120
	○	12 – 100	100 – 155*

- Applications with black CIIR seal ring with predetermined operating data
- Applications with white FKM seal ring with predetermined operating data