

# For all types of water.

Geberit Supply Systems for treated water

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# Geberit Supply Systems for treated water.

Geberit Mapress Stainless Steel was developed for drinking water installations in accordance with DIN 1988/revised standard DIN EN 806 for treated water. The pressing system ensures safe hygiene and corrosion resistance and enables thermal disinfection. The permanently high tightness of the connection and the quick and simple installation technology mean that Geberit Mapress Stainless Steel is a state-of-the-art, high-quality and economical connection technology.

## Geberit Mapress Stainless Steel

System pipes and pressfittings made of high-alloy, austenitic, stainless CrNiMo steel with material number 1.4401 in accordance with DIN EN 10088, with dimensions d12–108 with TÜV component ID TÜV.A.271-07.

## Use for softened and fully desalinated water

Mapress Stainless Steel is suitable for all treated water such as softened or fully desalinated water as well as ultrapure water with conductivities  $\geq 0.1 \mu\text{S}/\text{cm}$ . It ensures safe hygiene and corrosion resistance at pH values  $\geq 4-14$ .

## Treatment methods

As a rule, all methods for producing treated water, such as distillation, ion exchange or reverse osmosis, can be used.

## Application ranges

	Stainless steel 1.4401	Stainless steel, LABS-free	Stainless steel 1.4521	Geberit Mapress seal ring	Operating pressure <sup>1)</sup> bar(g)	Operating temperature (°C)	Remarks
Potable water	x	x	x	CIIR black	16	0 to +100	
Well water	x	x	x	CIIR black	16	0 to +100	
Treated water	x	x	x	CIIR black	16	0 to +100	
Service water	x	x	x	CIIR black	16	0 to +100	
Ground water (e.g. ground probes)	x	x	x	CIIR black	16	0 to +100	Observe limit values for chloride, fluoride and hydrocarbons
Surface water (e.g. river water)	x	x	x	CIIR black	16	0 to +100	
Ultrapure water	x	x	x	CIIR black	16	0 to +100	Not approved for pharmaceutical water
Extinguishing water	x	x	x	CIIR black	16	0 to +10	

<sup>1)</sup> 16 bar with dimension d88.9/108 mm only with pressing operation with Geberit pressing tool HCPS.

<sup>2)</sup> Depending on dimensions and application.

Pressing indicator and seal ring for twice the safety.



Coordinated system components.



Permanently tight lengthways non-positive connections.



## Note

Geberit Mapress Stainless Steel is not used for ultrapure water (e. g. pharmaceutical water/purified water or aqua purificata in accordance with USP standards) with increased requirements regarding the purity of the water that exceed drinking water quality (Examples of increased requirements include  $< 10 \text{ CFU}$ ,  $\text{TOC} < 500 \text{ ppb}$ , smooth pipe roughnesses  $R < 0.8 \mu\text{m}$ , seamless pipe joints, etc.). Thermal disinfection or sterilisation of Mapress Stainless Steel pipes is permitted by means of treatments with water or expanded steam up to a maximum of  $130 \text{ }^\circ\text{C}$  and 1h/day.

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