



GEBERIT SUPPLY SYSTEMS RELIABLE OPERATION IN **WATER COOLING** **SYSTEMS**

Water cooling systems are commonly used to cool machines, processes and products. Geberit supply systems ensure a safe and reliable supply of coolant at both low and high temperatures.

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Check the chemical resistance
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GEBERIT SUPPLY SYSTEMS **RELIABLE OPERATION IN WATER COOLING SYSTEMS**

Water cooling systems, also known as chillers, are usually closed-loop systems that generate cooling via a liquid intermediate medium. Unlike conventional refrigeration units, they use water or water-glycol mixtures for cooling, where the safety and availability of the coolant play a key role.



↑ Geberit Mapress Stainless Steel is the versatile piping system for demanding technical applications.



↑ Geberit Mapress Therm offers a cost-effective solution for cooling.



↑ Geberit Mapress Carbon Steel system pipes and fittings are made of non-alloy steel 1.0034 and available in various versions.



↑ Geberit FlowFit is easy to install and ensures safe processing even in confined spaces.

APPLICATION AREAS

	Geberit Mapress					Geberit multilayer systems	
	Geberit Mapress Stainless Steel, product material 1.4401 ¹⁾	Geberit Mapress Therm ¹⁾	Geberit Mapress Carbon Steel, outside zinc-plated, 1.0034 ²⁾	Geberit Mapress Carbon Steel, PP-jacketed, 1.0034 ³⁾	Geberit Mapress Copper, product material CW024A	Geberit FlowFit ⁴⁾	Geberit Mepla ⁴⁾
Closed cooling water system	○	○	○	○	○	✓	✓
Closed cooling water system with frost protection (e.g. glycol)	○	○	○	○	○	✓	✓
Open cooling water system	○				○	✓	✓
Open cooling water system with frost protection (e.g. glycol)	○				○	✓	✓
Temperature range (°C)	-30 to +100					-10 to +70	

According to worksheet AGI Q 151 (German Industrial Construction Association), operational systems made of non-alloy and low-alloy steels with surface temperatures between -50°C and +150°C must be provided with additional corrosion protection. This applies to Geberit Mapress Carbon Steel with an outside zinc-plated finish. If elevated chloride ion concentrations, combined with moisture and temperatures above 35°C, cannot be ruled out, stainless, austenitic steels should be protected against corrosion in accordance with Q 151.

¹⁾ Limit value for chloride ion content and insulating materials according to AGI Worksheet Q 132 or BTGA Guideline 3.004; otherwise apply corrosion protection coating.

²⁾ Corrosion protection coating according to BTGA Guideline 3.004 or AGI Worksheet Q 151.

³⁾ Fittings must be protected with overlapping corrosion protection tape on the system pipe.

⁴⁾ In combination with glycol, the maximum operating temperature is 40°C.

○ Applications with black CIIR seal ring with predetermined operating data