

Be sure the water quality is in accordance with the specifications below:

ITEMS	Cooled water		Tendency if out of criteria
	Circulating water (below 20°C)	Water supply	
Items to be controlled:			
- pH at 25°C	6.8 - 8.0	6.8 - 8.0	Corrosion + scale
- Electrical conduct (mS/m) at 25°C	Below 40	Below 30	Corrosion + scale
(μ S/cm) at 25°C	—	—	Corrosion + scale
- Chloride ion (mg Cl ⁻ /l)	Below 50	Below 50	Corrosion
- Sulfate ion (mg SO ₄ ²⁻ /l)	Below 50	Below 50	Corrosion
- M-alkalinity (pH 4.8) (mg SO ₃ /l)	Below 50	Below 50	Scale
- Total hardness (mg CaCO ₃ /l)	Below 70	Below 70	Scale
- Calcium hardness (mg CaCO ₃ /l)	Below 50	Below 50	Scale
- Silica ion (mg SiO ₂ /l)	Below 30	Below 30	Scale
Items to be referred to:			
- Iron (mg Fe/l)	Below 1.0	Below 0.3	Corrosion + scale
- Copper (mg Cu/l)	Below 1.0	Below 0.1	Corrosion
- Sulfite ion (mg S ²⁻ /l)	Not detectable	Not detectable	Corrosion
- ammonium ion (mg NH ₄ ⁺ /l)	Below 1.0	Below 0.1	Corrosion
- Remaining chloride (mg Cl/l)	Below 0.3	Below 0.3	Corrosion
- Free carbide (mg SO ₂ /l)	Below 4.0	Below 4.0	Corrosion
- Stability index	—	—	Corrosion + scale

Names, definitions and units are according to JIS K 0101. Units and figures between brackets are old units published as reference only.