

Water Quality Reference of our Closed Cooling Towers

To protect the heat exchange coils from scaling, save maintenance works on both spray water system and heat exchange coils, also maintain the cooling capacity of the tower not reduced, the condition of the spray water is recommended to meet requirements as per chart below:

RECOMMENDED SPRAY WATER CONDITION		
Items	Standard Value	
	When the temp. of circulating water < 20°C	When the temp. of circulating water if between 20°C~60°C
Ph value	6.8~8.0	7.8~8.0
Conductivity (ms/cm)	< 40	< 30
Chloride rate (mg Cl ⁻ /L)	< 50	< 50
Sulphate rate (mg SO ₄ ²⁻ /L)	< 50	< 50
Acid consumption rate(Ph4.8)(mg CaCO ₃ /L)	< 50	< 50
Total hardness(mg CaCO ₃ /L)	< 70	< 70
Calcium hardness(mg CaCO ₃ /L)	< 50	< 50
CO ₂ ionized rate (mg SiO ₂ /L)	< 30	< 30
Iron ion rate (mg Fe/L)	< 1.0	< 1.0
Copper ion rate (mg Cu/L)	< 1.0	< 1.0
Residual Chloride rate(mg Cl/L)	< 0.3	< 0.3
Ammonium ion rate (mg NH ₄ ⁺ /L)	< 1.0	< 1.0
Residual Carbonic acid rate(mg CO ₂ /L)	< 4.0	< 0.4