



## Heat exchanger water quality

ITEM			Cooling Water			Cool Water		Possibility	
			Circuit Water		Direct Pump				
			Close circuit	Open circuit	Instant drain water	Close circuit 20°C Below	Open circuit	Corrosion	Scale
Basic Elements	PH(25°C)		6.5~8.2	6.0~8.0	6.8~8.0	6.8~8.0	6.8~8.0	•	•
	EC(25°C)	μS/cm	800	300	400	400	300	•	•
	(Cl <sup>-1</sup> )	mg/l	200	50	50	50	50	•	
	(SO <sub>4</sub> <sup>-2</sup> )	mg/l	200	50	50	50	50	•	
	(PH4.8,CaCO <sub>3</sub> )	mg/l	100	50	50	50	50		•
	Total (CaCO <sub>3</sub> )	mg/l	200	70	70	70	70		•
	Ca (CaCO <sub>3</sub> )	mg/l	150	50	50	50	50		•
	SiO <sub>2</sub>	mg/l	50	30	30	30	30		•
Reference Elements	Fe	mg/l	1.0	0.3	1.0	1.0	0.3	•	•
	Cu	mg/l	0.3	0.1	1.0	1.0	0.1	•	
	S <sup>-</sup>	mg/l	N.F	N.F	N.F	N.F	N.F	•	
	NH <sub>4</sub> <sup>-1</sup>	mg/l	1.0	0.1	1.0	1.0	0.1	•	
	Cl	mg/l	0.3	0.3	0.3	0.3	0.3	•	
	CO <sub>3</sub> <sup>-2</sup>	mg/l	4.0	4.0	4.0	4.0	4.0	•	
	Stability Value		6.0~7.0	-----	-----	-----	-----	•	•