

5 LIMITATIONS

Model			Steam	Hot water
Steam/ Hot Water	Working temperature	min. normal PED max. PED	°C °C °C	105 135 167
	Working pressure			
	- before control valve	max.	bar g	1,5
	- before generator	max. min.	bar g bar g	0,95 0,2
	Permitted tolerance	temperature pressure	°C bar	- ± 0,07 (1)
	Max. permitted design	S.E.P. (5)	°C	-
	temperature	normal PED max. PED	°C °C	110 135 169
	Max. permitted design	normal S.E.P. (5)	PN	-
	pressure	max. S.E.P. (5) normal PED max. PED	PN PN PN	10 21 10 21
	Chilled Water	Entering temperature	max.	23,8 (3)
Chilled Water	Leaving temperature	min. max.	°C °C	4,5 18,0
	Permitted tolerance	flow	%	± 10
	Design pressure	standard	PN	10
	Cooling Water	Entering temperature	min. max.	7,0 (2) 35
Cooling Water	Leaving temperature	max.	°C	45 (4)
	Permitted tolerance	flow	%	± 10
	Design pressure	standard	PN	10
	Plant Room Temperature	min. max.	°C °C	5 40
Ventilation		min.	m ³ /h	Refer to table 4.6
Foundation Load		min.	kg	Refer to table 4.1

- (1) Greater tolerance affects control quality.
- (2) When the cooling water entering temperature is below 20 °C, the chilling capacity decreases proportionally with decreasing cooling water entering temperature to around 45%. For constant chilling capacity under all conditions (eg industrial) a bypass control for maintaining cooling water entering temperature must be used.
- (3) Up to 30 °C is permissible for a short time during start-up.
- (4) Up to 50°C is permitted if calculation is done by the Global Product Group. No operation possible with two operating points.
- (5) S.E.P. = Sound Engineering Practice = Approval by the manufacturer.

Table 5.1 Limitations of Use