

<b>Design data</b>		
Type of tower		Forced/natural draft
Number of cells per unit		1-12
Number of tower		1-2
<b>Thermal heat</b>	MW	150 - 500
Make up water	m <sup>3</sup> /h	500 - 960
Blow down water	m <sup>3</sup> /h	200 - 320
Evaporation	m <sup>3</sup> /h	300 - 640
Concentration cycles		2,5 - 3,0
Water hot temperature	°C	30 - 42
Water cold temperature	°C	20 - 30
Range	°C	10 - 12
Approach ( T cold water- T wet bulb ambient air)	°C	6
Recirculation flow	m <sup>3</sup> /h	20000 -35000
Basin volume	m <sup>3</sup>	12000 - 20000
Drift losses (water lost with air → plume)	%	0,02
<b>Materials → to evaluate material compatibility</b>		
Structure		Cement/wood/steel
External coating		Cement
Filling		PVC
Filling support		Cement/AISI316L
Condenser		Al-brass, Cu-Ni, ASTM A249 TP 304L - ASTM A240 S30400 ASTM A 516 Gr. 60/ Titanium