

Questionnaire
New water circulating system
Cooling tower selection



1. Contact data

- 1.1. Company name _____
1.2. Address _____
1.3. Contact person _____
1.4. Phone / E-mail _____

2. Initial data

- 2.1. Processing equipment _____
2.2. Mode of operation _____
2.3. Circulating system design:
- single-circuit (water supplies to cooling tower after processing equipment)
- dual-circuit (individual pumps for cooling tower)
2.4. Fluid flow rate, G (l/s):
- fluid type _____
- design _____
- actual _____
- peak (total flow rate of pumps) _____
2.5. Fluid pressure:
- cooling tower $\pm 0,00$ level (kPa) _____
- pump discharge (kPa) _____
2.6. Inlet fluid temperature, t_1 (°C):
- design _____
- peak _____
2.7. Outlet fluid temperature, t_2 (°C):
- design _____
- peak _____
2.8. Fluid range, Δt (°C): _____
2.9. Design heat load, (kW) _____

3. Psychometrics

- 3.1. Air dry-bulb temperature, v (°C): _____
3.2. Air wet-bulb temperature, τ (°C): _____
3.3. Relative humidity, φ (%): _____
3.4. Barometric pressure, p (kPa): _____

4. Fluid quality

- 4.1. Total suspended solids (ppm or mg/l) _____
4.2. Hardness, (mg-eq./l):
- total _____
- carbonate _____
4.3. Alkalinity, (mg-eq./l) _____
4.4. pH _____
4.5. Oil and/or grease content (ppm or mg/l) _____
4.6. Bacteria Count (cfu/ml) _____

5. Additional requirements and demands

Name: _____ Position: _____ Signature: _____

Date: _____