

CHILLER QUESTIONNAIRE

Using a Chiller to cool apparatus and equipment is especially effective, and hence cost-saving, provided the unit selected does not have excessive cooling capacity. We would therefore be grateful if you could answer the following questions so that we can offer you the appliance best suited to your needs:

1. What cooling / conditioning problem do you need a Chiller for? _____

2. How much heat has to be dissipated? _____ kW
3. What cooling water temperature does your application need?
(desired coolant discharge temperature) _____ °C
4. How accurately does the temperature of the coolant (cooling water) have
to be maintained? [e.g. $\pm 3\text{K}(\text{°C})$] \pm _____ K (°C)
5. What water pressure is needed? min./max. _____ / _____ bar
6. What flow rate is required? _____ litres/min
7. What is the max. ambient temperature where the cooling equipment is installed? _____ °C
8. Distance between location of cooling equipment and application: _____ m
9. What is the difference in height between the two locations? _____ m
10. How big is the space where the cooler is to be installed? WxDxH= _____ x _____ x _____ m
11. Where is the planned installation site for the cooling equipment? ☐ outside ☐ inside
12. Is there a cooling circuit or central cooling water supply in the building?
No ☐
Yes ☐ Yes, the existing cooling circuit is to be used in future. Outlet temperature _____ °C
Yes ☐ This is already used for cooling my application. (Please fill in No. 13, items a – c as well!)
13. Is the process currently cooled with tap water (mains water)?
Yes ☐
 - a) Temperature of cooling water on leaving the water main: _____ °C
(Please measure, do not estimate!)
 - b) Temperature of cooling water after flowing through your application: _____ °C
(Please measure, do not estimate!)
 - c) Flow rate of cooling water in litres per minute: _____ litres/min
(Place a bucket under the water outlet for one minute, then measure the contents. Do not estimate!)
No ☐ Which type of cooling is used at present? _____

Type and make of the cooler used. Enclose a copy of the technical specifications if appropriate.

Company: _____ Dept.: _____
(Name of institute)
Address: _____ Postal Code / Town _____
(or P.O. Box No.)
Country: _____ Tel.: _____ / _____ Fax: _____
Contact person: _____ e-mail: _____ @ _____

A sketch may be of help for complex applications.
Please use the back of this form for any further

Thank you for the taking the trouble to answer these questions.