|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date |  | | Customer |  | | | | | | |
| Contact person |  | | | | | | | | | |
| Contact details |  | | | | | | | | | |
| Project |  | | | | | | | | | |
| Plant |  | | | | | | | | | |
| Inquiry no. |  | | | | Item no. | | |  | | |
|  | | | | | | | | | | |
| Description of the application for the heat exchanger: | | | | | | | | | | |
|  | | | | | | | | | | |
|  | | | | | | | | | | |
| DATA FOR ONE HEAT EXCHANGER | | | | | | | | | | |
| Flow Side | |  | | | | Hot Side | | Cold Side | | |
| Medium | |  | | | |  | |  | | |
| Specify fluid group 1 or 2 and if liquid or gas at max design temperature and 0,5 bar gauge (valid for PED 97/23/EC) | | | | | |  | |  | | |
| Flow rate, total | | kg/h | | | |  | |  | | |
| Liquid | | kg/h | | | |  | |  | | |
| Steam | | kg/h | | | |  | |  | | |
| Water | | kg/h | | | |  | |  | | |
| Temperature, in/out | | °C | | | |  |  |  | |  |
| Density 1) | | kg/m3 | | | |  |  |  | |  |
| Viscositet 1) | | cP | | | |  |  |  | |  |
| Specific heat 1) | | kJ/kg °C | | | |  |  |  | |  |
| Thermal conductivity 1) | | W/m °C | | | |  |  |  | |  |
| Working pressure, inlet | | bar gauge | | | |  | |  | | |
| Allowable pressure drop | | bar | | | |  | |  | | |
| Heat Load | | kW | | | |  | | | | |
|  | | | | | | | | | | |
| MECHANICAL DESIGN DATA | | | | | | | | | | |
| Design pressure, max/min | | bar gauge | | | |  |  |  | |  |
| Design temperature, max/min | | °C | | | |  |  |  | |  |
| Material | |  | | | |  | |  | | |
| Corrosion allowance | | mm | | | |  | |  | | |
| Connections, nominal size | | mm | | | |  |  |  | |  |
| Connections, nominal size | |  | | | |  |  |  | |  |
| Design code | |  | | | | | | | | |
| Cyklic load (tick relevant box) | | Yes 2) | | | |  | No | |  | |
| Minimum load, % of design load3) | |  | | | | | | | | |
| Other important information 4): | | | | | | | | | | |
|  | | | | | | | | | | |
| Remarks:  1) Not required for steam and water (physical properties are included in a database in the sizing software).  2) If in total > 500 start/stop during the expected life cycle for the heat exchanger.  3) Valid for condensers with regulation on condensate level. Minimum load zero means that the heat exchanger is in stand-by mode, and completely filled up with condensate, and no thermal load besides keeping it warm and with open steam valve (full steam pressure).  4) Specify if any of the fluids contain fibres. Specify fibre concentration and maximum length of the fibres. | | | | | | | | | | |