



# FRIGOTHERM ENGINEERING (PTY) LTD

Heat Exchangers STC

Request for Quotation

## Design Data Questionnaire : Steam Condensing Coil

In order to evaluate the design data and to ensure that any equipment subsequently selected and purchased will be compatible with the end user's requirement, certain minimum data is required. Please enter the operational data below.

In case of special media other than air or nitrogen, their physical properties are required.

Quote Reference	<input type="text"/>	Equipment Description	<input type="text"/>
Customer	<input type="text"/>	Date	<input type="text"/>
Fax Number	<input type="text"/>	Telephone Number	<input type="text"/>
Contact Person	<input type="text"/>	email	<input type="text"/>

### HOT STEAM

### COLD MEDIUM

#### Media

Air  Nitrogen  Other

Inlet Temperature

Inlet Temperature  deg C

Outlet Temperature

Outlet Temperature  deg C

Mass Flow

Mass Flow  kg/sec

Operating Pressure

Operating Pressure  bar A

Allowed Pressure Drop

Allowed Pressure Drop  kPa

### Condensation

Hot Steam Temperature  deg C

Steam Condensation Temperature  deg C

Flash Steam Condensation Temperature  deg C

OR Pressure  deg C

OR Pressure  deg C

### Physical Properties

Specify Other Media

Density  kg/m<sup>3</sup>

Specific Heat  kJ/kgK

Thermal Conductivity  W/mK

Dynamic Viscosity  mPas

Complete the adjacent blocks in case of special media.

Location  masl

**Voltage**  380VAC  525VAC  12VDC  24VDC  Other - Specify

Fan Drive **Frequency**  50Hz  60Hz **Protection**  IP55  IP66 **Material**  Aluminium  Cast Iron

**Supplier**  Siemens  WEG  Other - Specify   Electrical Motor  No fan and motor required

Corrosion Protection  Sandblasted and Epoxy Coated

Materials of Radiator  AISI 316  AISI 304  C.Steel

Maximum Dimensions  m (W)  m (H)  m (D)

Documentation  Material Certificates  Pressure Test Certificate  Third Party Inspection  QCP  
 Stress Calculation  Thermal Design Calculation  Parts List and Material Data

### Notes