

# FRIGOTHERM ENGINEERING (PTY) LTD

Heat Exchangers ELH

Request for Quotation

## Design Data Questionnaire : Electrical Heater

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"/>

### COLD MEDIUM

#### Media

Air  Nitrogen  Oil  Other

Inlet Temperature	<input type="text"/>	deg C
Outlet Temperature	<input type="text"/>	deg C
Mass Flow	<input type="text"/>	kg/sec
Operating Pressure	<input type="text"/>	bar A
Allowed Pressure Drop	<input type="text"/>	kPa

#### Physical Properties

Specify Other Media:

Density	<input type="text"/>	kg/m <sup>3</sup>
Specific Heat	<input type="text"/>	kJ/kgK
Thermal Conductivity	<input type="text"/>	W/mK
Dynamic Viscosity	<input type="text"/>	Pas

Location  masl

Supply Voltage  380VAC  525VAC  Other Specify

Materials of Heater  AISI 316  AISI 304  C.Steel

Insulation  Mineral wool with steel cladding

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