

ENQUIRY / TECHNICAL DATA

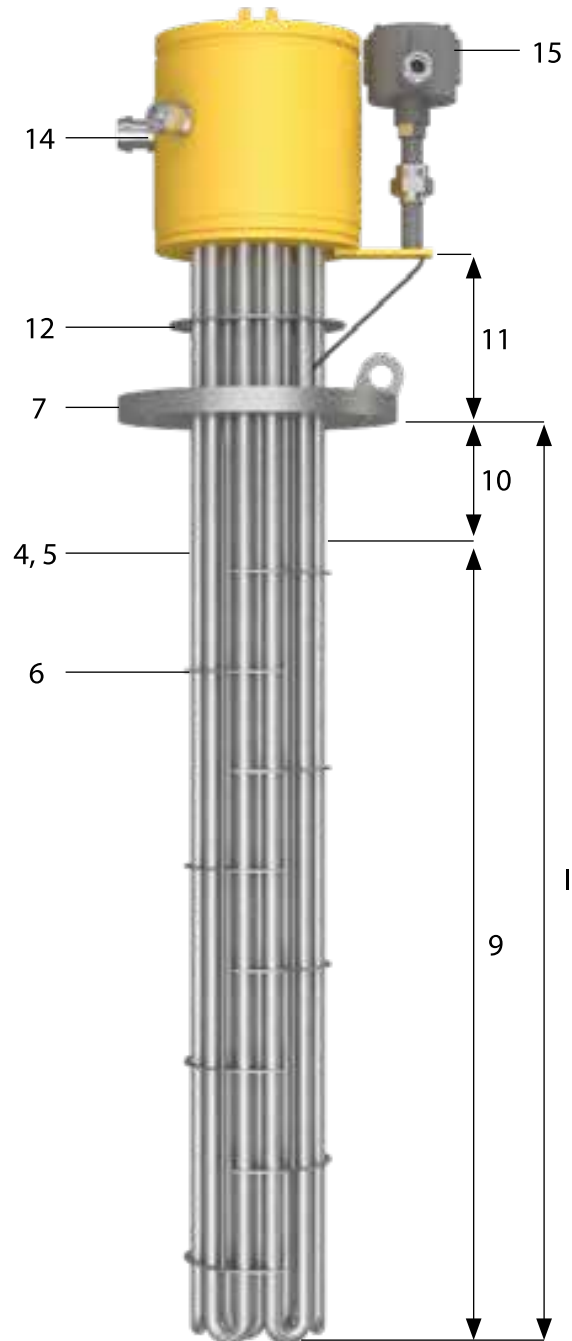
Input data

- A. Application
- B. Type of fluid
- C. Pressure
- D. Inlet and outlet temperature
- E. Flow rate (mass or volume)
- F. Ambient area
- G. Voltage (V)
- H. Max. immersed length
- I. Directives, standards, construction codes
- J. Flow direction

HSCO thermal design and offer

Design procedure to optimize your product

1. Power
2. Choice of technology and product type
3. Watt density (W/cm^2)
4. Number of heating elements
5. Material / Tube diameter
6. Type and number of baffles / bundle spider
7. Type of flange
8. Type of assembly (welding or brazing)
9. Heating length (HL)
10. Cold length (CL)
11. Stand-off length (SOL)
12. Cooling discs and heat shields
13. Temperature control and safety, type of sensor
14. Connecting box / Cable gland
15. Other components
16. Quotation: price and delivery time





Tube materials

- Stainless steel
 - AISI 321 (1.4541)
 - AISI 316L (1.4404)
 - AISI 309 (1.4828)
- Others
 - Incoloy 800 (1.4876)
 - Incoloy 825 (2.4858)
 - Inconel 600 (2.4816)
 - Titanium

Tube diameter

- 6.5 / 8.5 / 11/12.7
- All diameters (including very large sizes)
- NF EN 1092-1 (European standard, PN)
- NF EN 1759-1 (European standard, Class)
- ASME B16-5 (American standard)
- Others standards on request
- Material choice according to application and standards (carbon steel, stainless steel or others)

Connecting box

- Material: painted steel, stainless steel, aluminium

On-request documentation

- Supplied according to directives, standard and construction code

Mounting

- Vertical or horizontal position

Electrical

- Voltage: VAC or VCC
- Cabling according to main voltage VAC/VCC
1PH + N or 3PH
- Power : As Per Customer Requirement