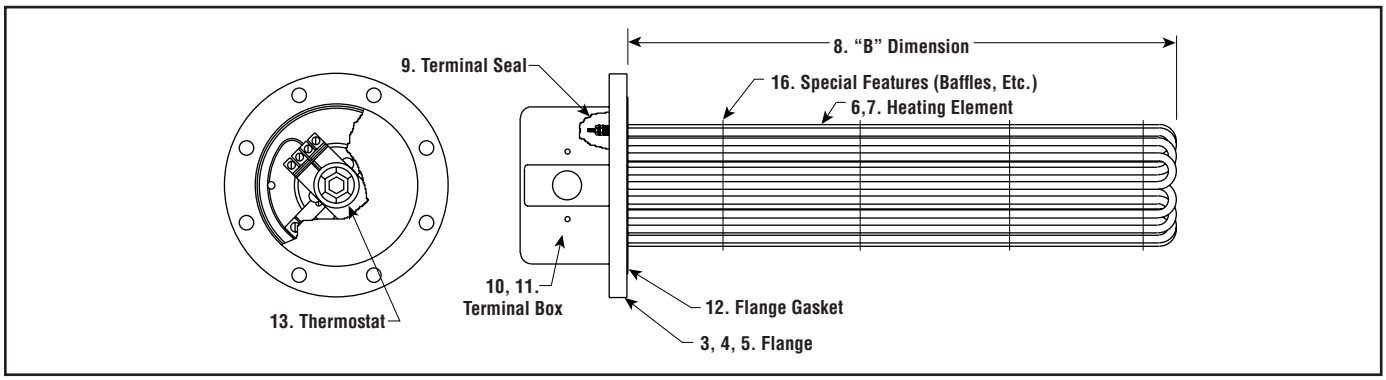
Chromalox®

Specification Data Sheet Flanged Immersion Heaters

Form PD310
Customer Name: _____ Reference No.: _____ Date: _____

OVER-THE-SIDE



Note — Drawing Is For Illustration Purposes Only. Flange size, number of elements, terminal box configuration, etc. will vary according to options selected.

Operating Conditions

1. APPLICATION *(Describe in Detail):*

2. MATERIAL HEATED *(Specify):*

3. OPERATING TEMPERATURE: °F

4. OPERATING PRESSURE: psig.

5. ◯ Indoor ◯ Outdoor

6. HAZARDOUS AREA ENVIRONMENT:

Class Div. Group

7. AMBIENT TEMPERATURE: °F

Heater Specifications (Check All That Apply)

1. RATING: Volts Phase Kilowatts T-Rating

2. NUMBER OF ELECTRICAL CIRCUITS: ☐ Standard

☐ Other: No Circuits kW/Circuit

3. FLANGE SIZE (In.)/NUMBER OF HEATING ELEMENTS:

◯ 3"/3 ◯ 5"/6 ◯ 6"/12 ◯ 8"/18 ◯ 10"/27

◯ 12"/36 ◯ 14"/45 ◯ 16"/72 ◯ 18"/108

◯ Other (Specify)

4. FLANGE MATERIAL: ◯ Carbon Steel

◯ 304 Stainless ◯ 316 Stainless Steel

◯ Other (Specify)

5. FLANGE RATING: ◯ Class 150 ◯ Class 300

◯ Other (Specify)

6. HEATING ELEMENT SHEATH MATERIAL:

◯ Steel ◯ Copper ◯ 304 Stainless Steel

◯ 316 Stainless Steel ◯ INCOLOY®

◯ Other (Specify)

7. HEATING ELEMENT WATT DENSITY:

◯ 6.5 W/In² ◯ 15 W/In² ◯ 23 W/In²

◯ 45 W/In² ◯ Other (Specify)

8. MAX HEATING ELEMENT IMMERSION LENGTH: ("B") Dimension

Inches:

9. TERMINAL SEALS: ◯ Silicone Fluid (500°F)

◯ Silicone Resin (450°F) ◯ RTV (450°F) ◯ Epoxy (250°F)

◯ Hermetic (Maximum 1000°F Sheath Temperature)

◯ Other (Specify)

10. TERMINAL BOX CONSTRUCTION:

◯ General Purpose ◯ Moisture Resistant

◯ Explosion Resistant/Moisture Resistant

11. TERMINAL BOX STANDOFFS: ◯ None

◯ 4" ◯ 6" ◯ Other (Specify)

12. FLANGE GASKET: ◯ Standard ◯ Spiral Wound

◯ Other (Specify)

13. INTEGRAL THERMOSTAT: ◯ None

◯ 0-100°F ◯ 60-250°F ◯ 200-550°F

14. A.S.M.E. REQUIRED: ◯ Yes or ◯ No If Yes, Specify:

◯ Design Only ◯ Design and Certify in Accordance With

◯ Section I ◯ Section IV ◯ Section VIII

15. ELECTRICAL CODES: ☐ None

☐ U.L. Listed ☐ C.S.A. Certified

☐ Other (Specify)

16. OTHER SPECIAL FEATURES:

☐ Overheat T/C on Sheath, Type ◯ J or ◯ K

☐ Cross-Flow Baffles

☐ Passivation of Wetted Parts (Stainless Steel Only)

☐ Other (Specify)

17. MODEL NUMBER: