

Chromalox®

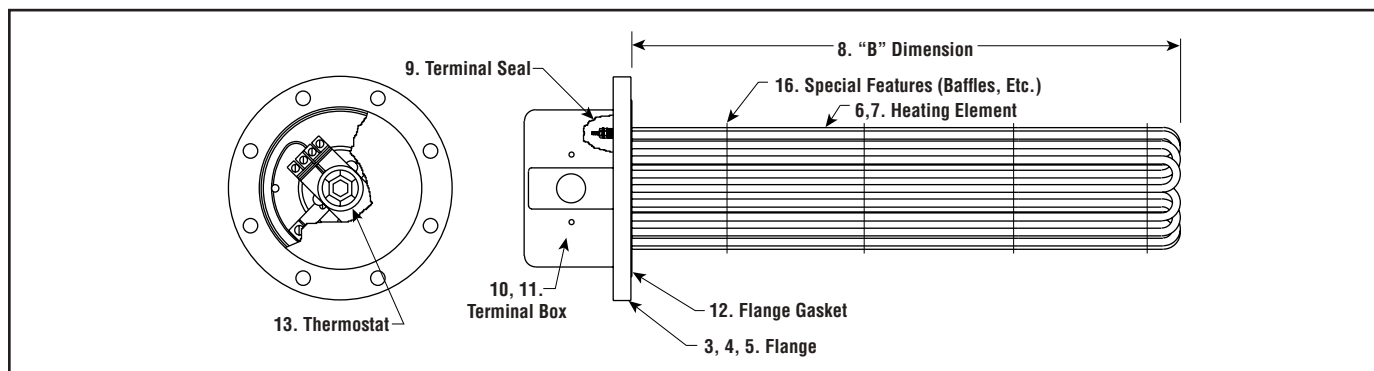

**THORNE &
DERRICK**
INTERNATIONAL

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Specification Data Sheet Flanged Immersion Heaters

Form PD310

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



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

Operating Conditions					7. HEATING ELEMENT WATT DENSITY:	
1. APPLICATION (Describe in Detail):					☐ 6.5 W/In ² ☐ 15 W/In ² ☐ 23 W/In ²	
					☐ 45 W/In ² ☐ Other (Specify)	
2. MATERIAL HEATED (Specify):					8. HEATING ELEMENT IMMERSION LENGTH:	
					("B") Dimension Inches:	
3. OPERATING TEMPERATURE: °F					9. TERMINAL SEALS: ☐ None ☐ Silicone Fluid (500°F)	
					☐ Silicone Resin (450°F) ☐ RTV (450°F) ☐ Epoxy (250°F)	
4. OPERATING PRESSURE: psig.					☐ Hermetic (Maximum 1000°F Sheath Temperature)	
					☐ Other (Specify)	
5. ☐ Indoor ☐ Outdoor					10. TERMINAL BOX CONSTRUCTION:	
6. HAZARDOUS AREA ENVIRONMENT:					☐ General Purpose ☐ Moisture Resistant	
					☐ Explosion Resistant/Moisture Resistant	
7. AMBIENT TEMPERATURE: °F					11. TERMINAL BOX STANDOFFS: ☐ None	
Heater Specifications (Check All That Apply)					☐ 4" ☐ 6" ☐ Other (Specify)	
1. RATING: Volts Phase Kilowatts T-Rating					12. FLANGE GASKET: ☐ Standard ☐ Spiral Wound	
2. NUMBER OF ELECTRICAL CIRCUITS: ☐ Standard					☐ Other (Specify)	
					☐ Other: No Circuits kW/Circuit	
3. FLANGE SIZE (In.)/NUMBER OF HEATING ELEMENTS:					13. INTEGRAL THERMOSTAT: ☐ None	
☐ 3"/3 ☐ 5"/6 ☐ 6"/12 ☐ 8"/18 ☐ 10"/27					☐ 0-100°F ☐ 60-250°F ☐ 200-550°F	
☐ 12"/36 ☐ 14"/45 ☐ 16"/72 ☐ 18"/108					14. A.S.M.E. REQUIRED: ☐ Yes or ☐ No If Yes, Specify:	
☐ Other (Specify)						
4. FLANGE MATERIAL: ☐ Carbon Steel ☐ Brass					☐ Design Only ☐ Design and Certify in Accordance	
☐ 304 Stainless ☐ 316 Stainless Steel					With ☐ Section I ☐ Section IV ☐ Section VIII	
☐ Other (Specify)					15. ELECTRICAL CODES: ☐ None	
5. FLANGE RATING: ☐ Class 150 ☐ Class 300					☐ U.L. Listed ☐ C.S.A. Certified	
☐ Other (Specify)					☐ Other (Specify)	
6. HEATING ELEMENT SHEATH MATERIAL:					16. OTHER SPECIAL FEATURES:	
☐ Steel ☐ Copper ☐ 304 Stainless Steel					☐ Overheat T/C Weld to Sheath, Type ☐ J or ☐ K	
☐ 316 Stainless Steel ☐ INCOLOY®					☐ Cross-Flow Baffles	
☐ Other (Specify)					☐ Passivation of Wetted Parts (Stainless Steel Only)	
					☐ Other (Specify)	
					17. MODEL NUMBER:	