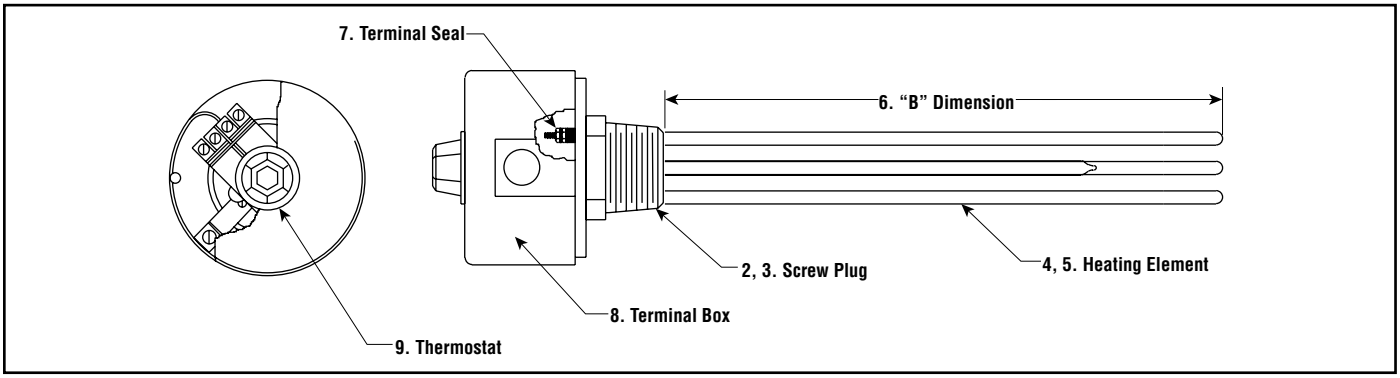
Chromalox®

Specification Data Sheet Screw Plug Immersion Heaters

Form PD309
Customer Name: _____ Reference No.: _____ Date: _____



Note — Drawing Is For Illustration Purposes Only. Screw plug size, number of elements, thermowell option, 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

2. SCREW PLUG SIZE (In., NPT)/NUMBER OF HEATING ELEMENTS:

☐ 1"/1 ☐ 1-1/4"/1 ☐ 1-1/4"/2
☐ 2"/1 ☐ 2"/2 ☐ 2"/3 ☐ 2-1/2"/3

3. SCREW PLUG MATERIAL:

☐ Carbon Steel ☐ Brass
☐ 304 Stainless Steel ☐ 316 Stainless Steel
☐ Other *(Specify)*

4. HEATING ELEMENT SHEATH MATERIAL:

☐ Steel ☐ Copper ☐ 304 Stainless Steel
☐ 316 Stainless Steel ☐ INCOLOY®
☐ Other *(Specify)*

5. HEATING ELEMENT WATT DENSITY:

☐ 6 W/In² ☐ 15 W/In² ☐ 20 W/In²
☐ 23-26 W/In² ☐ 40-50 W/In² ☐ 51-60 W/In²
☐ 61-85 W/In² ☐ Other *(Specify)*

6. HEATING ELEMENT IMMERSION LENGTH:

("B") Dimension Inches:

7. TERMINAL SEALS: ☐ None ☐ Silicone Fluid (500°F)
☐ Silicone Resin (450°F) ☐ RTV (450°F) ☐ Epoxy (250°F)
☐ Hermetic (Maximum 1000°F Sheath Temperature)
☐ Other *(Specify)*

8. TERMINAL BOX CONSTRUCTION:

☐ General Purpose ☐ Moisture Resistant
☐ Explosion Resistant/Moisture Resistant

9. INTEGRAL THERMOSTAT: ☐ None

☐ 1" and 1-1/4" Size, SPST Contacts
☐ 0-127°F ☐ 60-180°F ☐ 60-240°F
☐ 2" and 2-1/2" Size, DPST Contacts
☐ 0-100°F ☐ 60-250°F ☐ 200-550°F

10. ELECTRICAL CODES:

☐ National Electrical Code *(Standard)*
☐ U.L. Listed
☐ C.S.A. Certified
☐ Other *(Specify)*

11. OTHER SPECIAL FEATURES:

a.) ☐ Temperature Limit Stop on Thermostat Set at °F
b.) ☐ Overheat Thermocouple Welded to Element Sheath Type ☐ J or ☐ K
c.) ☐ Other *(Specify)*

12. MODEL NUMBER: