

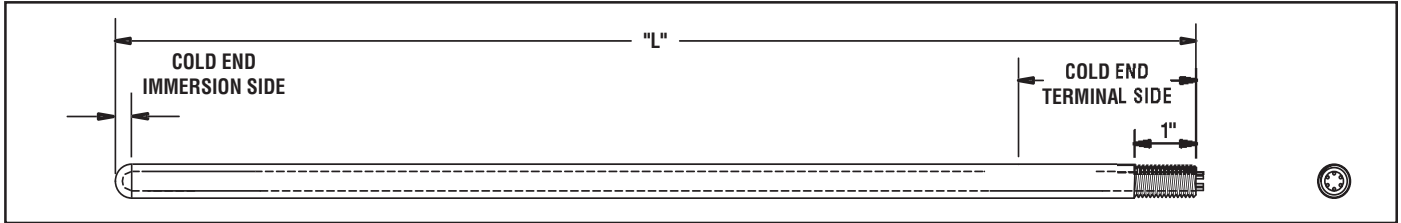
# Immersion

## Chromalox®

### Specification Data Sheet Ceramic Sheathed Immersion Heater CS (SiAlON)

Form PD-316

Customer Name: \_\_\_\_\_ Reference No.: \_\_\_\_\_ Date: \_\_\_\_\_



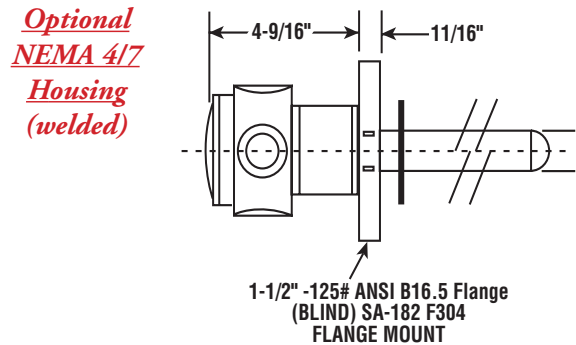
*Note* — Drawing Is For Illustration Purposes Only. Approval drawings required for specification.

#### Operating Conditions

<b>1. APPLICATION (Describe in Detail):</b>  <b>2. MATERIAL HEATED (Specify):</b> <b>3. OPERATING TEMPERATURE:</b> _____ °F <b>4. OPERATING PRESSURE:</b> _____ psig. 5. <input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <b>6. HAZARDOUS AREA ENVIRONMENT:</b> Class _____ Div. _____ Group _____ Note: (3/4) 14 Thread required in Hazardous Area Construction <b>7. AMBIENT TEMPERATURE:</b> _____ °F	<b>13. TERMINAL SEALS:</b> <input type="checkbox"/> Epoxy <input type="checkbox"/> RTV <input type="checkbox"/> Air Set Cement <b>14. TERMINAL BOX CONSTRUCTION:</b> <input type="checkbox"/> General Purpose <input type="checkbox"/> Explosion Resistant/Moisture Resistant <b>15. ELECTRICAL CODES:</b> <input type="checkbox"/> National Electrical Code (Std.) <input type="checkbox"/> C.S.A. Certified <input type="checkbox"/> Other (Specify) _____ <b>16. OTHER SPECIAL FEATURES:</b> a.) Overheat Thermocouple (Internal to Sheath) Sheath Type <input type="checkbox"/> J or <input type="checkbox"/> K <input type="checkbox"/> Other (Specify) _____ b.) Other (Specify) _____ <b>17. Multiple Element Designs:</b> Consult Factory
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#### Heater Specifications (Check All That Apply)

<b>1. DIAMETER:</b> 28 mm (1.10 inch) Only
<b>2. WATTS PER SQUARE INCH:</b> 65 (Max.)
<b>3. RATING:</b> Volts <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 480 (Max.) <input type="checkbox"/> Other (Specify) _____
<b>4. PHASE:</b> <input type="checkbox"/> Single <input type="checkbox"/> 3PH Delta <input type="checkbox"/> 3 Coil Series <input type="checkbox"/> 3 Coil Parallel
<b>5. WATTS:</b> _____
<b>6. END CONFIGURATIONS:</b> <input type="checkbox"/> plain <input type="checkbox"/> threaded <input type="checkbox"/> flanged (ANSI) <input type="checkbox"/> plate flange (non ANSI) Note: threaded is 3/4" NPT only, flanged is threaded flange with terminal housing mounted to flange
<b>7. TERMINATIONS:</b> <input type="checkbox"/> welded jumper <input type="checkbox"/> lead wires integral to design
<b>8. LEADS:</b> <input type="checkbox"/> Type L <input type="checkbox"/> Type Y
<b>9. HEATING ELEMENT SHEATH MATERIAL:</b> ceramic
<b>10. HEATING ELEMENT WATT DENSITY:</b> <input type="checkbox"/> 65 (Max.) <input type="checkbox"/> Other (Specify) _____
<b>11. SHEATH LENGTH:</b> _____ inches "L" (Min. 11-1/8", Max. 77")
<b>12. COLD END:</b> IMMERSION SIDE: 1" (Min), 2" (Max.) TERMINAL SIDE: _____ inches (6" Min/Max Consult Factory)



#### Transition Adaptors

**Type L Leads**  
1, 2 or 3 Zone, Single or 3 Phase

SiAlON Diameter	Diameter	Z
28 mm (1.10")	1-3/8"	1-1/2"

**Type Y Leads**  
Single Phase

SiAlON Diameter	Y	Z
28 mm (1.10")	1-1/4"	1-1/4"

**NOTE:** NEMA 4/7 Threaded Housing also available Consult Factory

DATA SHEET