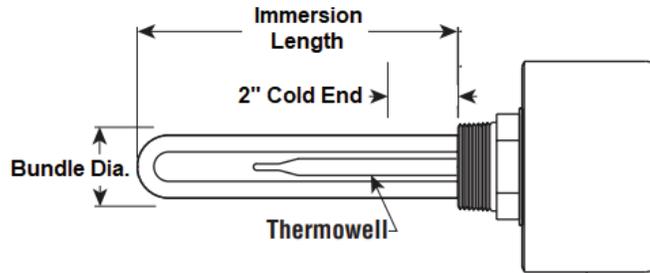


SCREW PLUG PICK & SHIP



Heater Specifications (by Part Number)

Part Number	Electrical Data				Mechanical Parameters			
	WPSI Category	kW	3 Ph Amp. Load	1 Ph Amp. Load	Immersion Length (In/mm)	Unheated Length (In/mm)	Bundle Diameter ² (In/mm)	Weight (lbs/kg.)
156-306351-836	7.5	1.0	1.2	2.1	18 / 457	2 / 51	1.9 / 48.4	5 / 2.3
156-306351-839	7.5	1.5	1.8	3.1	24 / 610	2 / 51	1.9 / 48.4	6 / 2.7
156-306351-840	7.5	2.0	2.4	4.2	36 / 914	2 / 51	1.9 / 48.4	8 / 3.6
156-306351-841	7.5	3.0	3.6	6.3	48 / 1219	2 / 51	1.9 / 48.4	10 / 4.5
156-306351-842	15	2.0	2.4	4.2	18 / 457	2 / 51	1.9 / 48.4	5 / 2.3
156-306351-843	15	3.0	3.6	6.3	24 / 610	2 / 51	1.9 / 48.4	6 / 2.7
156-306351-844	15	4.0	4.8	8.3	36 / 914	2 / 51	1.9 / 48.4	8 / 3.6
156-306351-845	15	6.0	7.2	12.5	48 / 1219	2 / 51	1.9 / 48.4	10 / 4.5
156-306351-846	25	4.0	4.8	8.3	24 / 610	2 / 51	1.9 / 48.4	6 / 2.7
156-306351-847	25	6.0	7.2	12.5	36 / 914	2 / 51	1.9 / 48.4	8 / 3.6
156-306351-848	25	10.0	12.0	20.8	48 / 1219	2 / 51	1.9 / 48.4	10 / 4.5
156-306351-854	45	4.0	4.8	8.3	12 / 305	2 / 51	1.9 / 48.4	4 / 1.8
156-306351-850	45	8.0	9.6	16.7	24 / 610	2 / 51	1.9 / 48.4	6 / 2.7
156-306351-851	45	10.0	12.0	20.8	36 / 914	2 / 51	1.9 / 48.4	8 / 3.6

¹Application pressure and temperature ratings must conform with ANSI guidelines to ensure safe operation of the unit. Every gas application must be thoroughly reviewed for product suitability or heater damage can occur. Please refer to the Chromalox technical literature or local sales office for proper guidance.

²The bundle diameter is designed to fit through a standard Schedule 40 pipe connection. Chromalox recommends a minimum of 3mm diameter clearance on all sides for any other installation to avoid damage to the heater elements.

Heater Specifications (Common to All Units)

Electrical Rating – 480 volts, 1 circuit, 1 or 3 phase.

Power Terminal Enclosure – Powder coated, color red, rated NEMA 1 / IP10, UL / cCSAus Certification.

Power Wiring Conduit Location – Four 3/4" Knock outs are located on the sides of the terminal housing to suit installation needs.

Mechanical Installation Connection – Heaters are provided with a 304SST, 2" NPT screw plug for easy installation.

Element Sheath – Heater elements are sheathed with INCOLOY® 800 for superior corrosion resistance and longevity.

Element Seals – Conformal terminal coating over mica is provided for all heater elements.

Thermowell – An INCOLOY® 800 bundle thermowell is provided for customers requiring additional process temperature input locations.

A separate, remote thermowell and process sensor is always recommended for the best heating results – refer to Accessories Data Sheet section for Chromalox provided kits.

Wiring – Heaters are field convertible from three phase to single phase, allowing for versatile installation.

Steps for Picking Screw Plug Immersion Heater

1. Calculate the kilowatt requirement and round up to the closest heater kW rating.
2. Choose the column with the appropriate application watt density.
3. Find the corresponding heater part number at the intersection of the selected heater kW rating and application watt density.
4. Select any accessories based on the installation needs.

Heater Selection Table – Refer to Screw Plug Data Sheet for Further Technical Details

kW Rating Load @ 480 V 3pH	45 WPSI Water¹ Water/Glycol	25 WPSI Process Water Light Weight Oil <600°F Air²	15 WPSI Medium Weight Oil <1,000°F Air²	7.5 WPSI Heavy Weight Oil <1,200°F Air²
1 kW / 1.2 Amps				156-306351-836
1.5 kW / 1.8 Amps				156-306351-839
2 kW / 2.4 Amps			156-306351-842	156-306351-840
3 kW / 3.6 Amps			156-306351-843	156-306351-841
4 kW / 4.8 Amps	156-306351-854	156-306351-846	156-306351-844	
6 kW / 7.2 Amps		156-306351-847	156-306351-845	
8 kW / 9.6 Amps	156-306351-850			
10 kW / 12 Amps	156-306351-851	156-306351-848		

¹Under the U.S. Federal Safe Drinking Water Act, it is unlawful to install or use this product in any service that comes into contact with water for human consumption (including drinking, food or beverage preparation, hand washing, or teeth brushing). This product is intended exclusively for use in non-potable service.

²Air temperature ratings are for general guidelines only. Every gas application must be thoroughly reviewed for product suitability or heater damage can occur. Please refer to the Chromalox technical literature or local sales office for proper guidance.