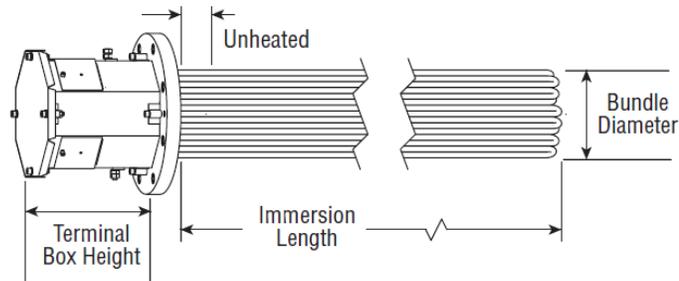


FLANGED IMMERSION PICK & SHIP



Heater Specifications (by Part Number)

Part Number	Electrical Data			Mechanical Parameters					
	WPSI Category	kW	3 Ph Amp. Load	ANSI Conn. ¹	Immersion Length (In/mm)	Unheated Length (In/mm)	Terminal Box Height (In/mm)	Bundle Diameter ² (In/mm)	Weight (lbs/kg)
155-307496-056	45	8	10	3", 150#	18 / 457	4 / 102	8 / 205	2.88 / 73	20 / 9
155-307498-798	45	12	15	4", 150#	24 / 610	6 / 152	10 / 254	3.81 / 97	36 / 17
155-307496-053	45	16.5	20	5", 150#	24 / 610	6 / 152	10 / 254	4.62 / 117	42 / 19
155-307496-052	45	24.9	30	6", 150#	24 / 610	6 / 152	10 / 254	5.81 / 148	60 / 27
155-307496-051	45	37	45	6", 150#	24 / 610	6 / 152	10 / 254	5.81 / 148	60 / 27
155-307496-050	45	58	70	6", 150#	36 / 914	6 / 152	10 / 254	5.81 / 148	71 / 32
155-307496-055	25	8	10	3", 150#	24 / 610	4 / 102	8 / 205	2.88 / 73	21 / 10
155-307498-799	25	12	15	4", 150#	36 / 914	6 / 152	10 / 254	3.81 / 97	43 / 20
155-307496-049	25	16.5	20	5", 150#	36 / 914	6 / 152	10 / 254	4.62 / 125	49 / 22
155-307496-048	25	24.9	30	5", 150#	48 / 1219	6 / 152	10 / 254	4.62 / 117	56 / 25
155-307496-047	25	37	45	6", 150#	48 / 1219	6 / 152	10 / 254	5.81 / 148	83 / 38
155-307496-046	25	58	70	8", 150#	36 / 914	6 / 152	10 / 254	7.75 / 197	124 / 56
155-307496-054	15	8	10	3", 150#	36 / 914	4 / 102	8 / 205	2.88 / 73	22 / 10
155-307498-800	15	12	15	4", 150#	48 / 1218	6 / 152	10 / 254	3.81 / 97	50 / 23
155-307496-045	15	16.5	20	5", 150#	48 / 1219	6 / 152	10 / 254	4.62 / 119	56 / 25
155-307496-044	15	24.9	30	6", 150#	48 / 1219	6 / 152	10 / 254	5.81 / 148	83 / 38
155-307496-043	15	37	45	8", 150#	36 / 914	6 / 152	10 / 254	7.75 / 197	124 / 56
155-307498-805	7.5	5.5	7	4", 150#	48 / 1219	6 / 152	10 / 254	3.81 / 97	50 / 23
155-307496-042	7.5	8	10	5", 150#	48 / 1219	6 / 152	10 / 254	4.62 / 117	56 / 25
155-307496-041	7.5	16.5	20	8", 150#	36 / 914	6 / 152	10 / 254	7.75 / 197	124 / 56
155-307496-040	7.5	24.9	30	8", 150#	48 / 1219	6 / 152	10 / 254	7.75 / 197	144 / 65

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, 3 phase.

Power Terminal Enclosure – Powder coated, color red, rated NEMA 4 / IP66, UL / cCSAus Certification.

Power Wiring Conduit Location – Chromalox ‘Octobox’ enclosure allows for user selection of conduit punch size, entry location, and entry angle to suit installation needs.

Mechanical Installation Connection – ANSI rated 150# flange, carbon steel material, raise face surface.

Mechanical Installation Gasket – Composition grade gasket is provided.

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.

Element Protection – One type K thermocouple attached to element sheath for overtemperature protection. The mechanical compression fitting boundary connection allows for thermocouple replacement, if needed.

Element Overtemperature Electrical Enclosure – A separate thermocouple, aluminum junction box, rated NEMA 4 / IP66 is included with a 3/4” NPT wiring connection provided.

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.

Heater Removal – Two threaded back out holes are provided for removal of heater bundle, if needed.

Steps for Picking Flanged Immersion Heater

1. Calculate the kilowatt requirement and round up to 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.
 - Confirm the selected heater part number with the data sheet PNS-DS1 for application and installation suitability.
4. Select any accessories based on the installation needs.
 - Refer to product data sheet PNS-DS2 for details.

Heater Selection Table

kW Rating Load @ 480 V 3pH	45 WPSI Water ¹ Water/Glycol	25 WPSI Process Water Light Weight Oil <600°F Air ²	15 WPSI Medium Weight Oil <1,000°F Air ²	7.5 WPSI Heavy Weight Oil <1,200°F Air ²
58 kW / 70 Amps	155-307496-050	155-307496-046		
37 kW / 45 Amps	155-307496-051	155-307496-047	155-307496-043	
24.9 kW / 30 Amps	155-307496-052	155-307496-048	155-307496-044	155-307496-040
16.5 kW / 20 Amps	155-307496-053	155-307496-049	155-307496-045	155-307496-041
8 kW / 10 Amps	156-306351-856	155-307496-055	155-307496-054	155-307496-042

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.