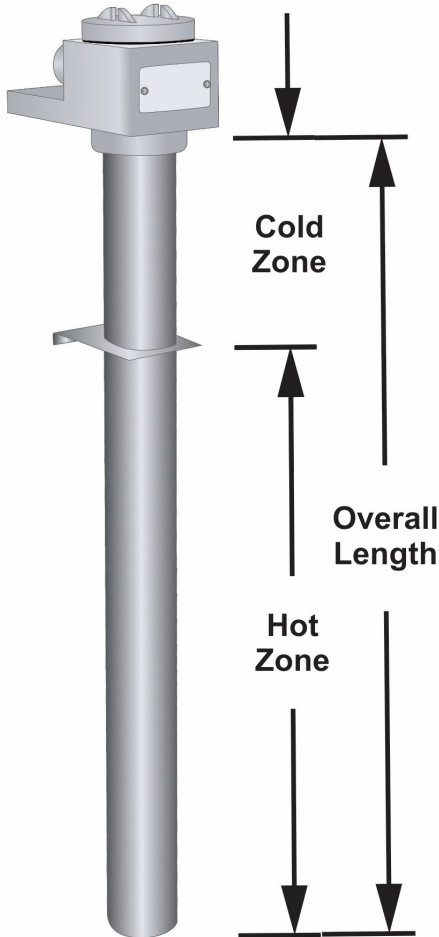


**METAL OVER THE SIDE**



**INFORMATION**

- Suitable for use in most aqueous alkaline solutions, plating, and phosphate tanks
- Check with chemical supplier for proper sheath material selection
- Single or 3 Phase Over the Side chemical heater
- Durable and efficient
- Available in steel, 304 stainless steel, 316 stainless steel, and titanium material options

**FEAUTRES**

- The heavy wall metal sheaths come in steel, 304 stainless steel, 316 stainless steel, and titanium options.
- These heaters have watt densities of up to 35 watts per square inch (5.4 w/cm<sup>2</sup>).
- The terminal enclosure is made of vapor-resistant, flame-retardant polypropylene and comes with a 3-ft (0.9-m) flexible teflon liquid-tight conduit.
- The construction is grounded and includes a built-in thermal protector.
- The standard replaceable P1 protector is suitable for solutions up to 180°F (82°C).



**PROTECTOR / FUSE OPTIONS**

CODE	TYPE OF FUSE	DESCRIPTION
P1	REPLACEABLE	Standard for solutions up to 180°F (82°C)
P4	REPLACEABLE	For solutions from 180 to 230°F (82 to 110°C)
P5	REPLACEABLE	For solutions from 230 to 300°F (110 to 150°C)
P2	RESETTABLE	For solutions up to 180°F (82°C)
P6	RESETTABLE	For solutions from 180 to 230°F (82 to 110°C)
P7	RESETTABLE	For solutions from 230 to 300°F (110 to 150°C)

## STANDARD PARTS

STEEL	304SS	316SS	TITANIUM	WATTS	VOLTS	HOT ZONE	OVERALL LEGTH
IM-P1111-**	IM-F1111-**	IM-S1111-**	IM-T1111-**	1000 W	120 V	6 "152 mm	11 "279 mm
IM-P1211-**	IM-F1211-**	IM-S1211-**	IM-T1211-**	1000 W	240 V	6 "152 mm	11 "279 mm
IM-P2217-**	IM-F2217-**	IM-S2217-**	IM-T2217-**	2000 W	240 V	10 "254 mm	17 "432 mm
IM-P2417-**	IM-F2417-**	IM-S2417-**	IM-T2417-**	2000 W	480 V	10 "254 mm	17 "432 mm
IM-P3223-**	IM-F3223-**	IM-S3223-**	IM-T3223-**	3000 W	240 V	16 "406 mm	23 "584 mm
IM-P3423-**	IM-F3423-**	IM-S3423-**	IM-T3423-**	3000 W	480 V	16 "406 mm	23 "584 mm
IM-P4229-**	IM-F4229-**	IM-S4229-**	IM-T4229-**	4000 W	240 V	20 "508 mm	29 "737 mm
IM-P4429-**	IM-F4429-**	IM-S4429-**	IM-T4429-**	4000 W	480 V	20 "508 mm	29 "737 mm
IM-P5235-**	IM-F5235-**	IM-S5235-**	IM-T5235-**	5000 W	240 V	25 "635 mm	35 "889 mm
IM-P5435-**	IM-F5435-**	IM-S5435-**	IM-T5435-**	5000 W	480 V	25 "635 mm	35 "889 mm
IM-P6240-**	IM-F6240-**	IM-S6240-**	IM-T6240-**	6000 W	240 V	30 "762 mm	40 "1016 mm
IM-P6440-**	IM-F6440-**	IM-S6440-**	IM-T6440-**	6000 W	480 V	30 "762 mm	40 "1016 mm
IM-P8247-**	IM-F8247-**	IM-S8247-**	IM-T8247-**	8000 W	240 V	37 "940 mm	47 "1194 mm
IM-P8447-**	IM-F8447-**	IM-S8447-**	IM-T8447-**	8000 W	480 V	37 "940 mm	47 "1194 mm
IM-P9254-**	IM-F9254-**	IM-S9254-**	IM-T9254-**	9000 W	240 V	44 "1118 mm	54 "1372 mm
IM-P9454-**	IM-F9454-**	IM-S9454-**	IM-T9454-**	9000 W	480 V	44 "1118 mm	54 "1372 mm
IM-P10259-**	IM-F10259-**	IM-S10259-**	IM-T10259-**	10000 W	240 V	49 "1245 mm	59 "1499 mm
IM-P10459-**	IM-F10459-**	IM-S10459-**	IM-T10459-**	10000 W	480 V	49 "1245 mm	59 "1499 mm
IM-P12468-**	IM-F12468-**	IM-S12468-**	IM-T12468-**	12,000 W	480 V	58 "1473 mm	68 "1727 mm

\*Single phase standard, 3-phase available. \*\*Specify Protector / Fuse

## 3-4 Week Lead Time for Standard & Custom Products!

### ORDER CODE

IM-X	XX	X	XX	-	XX	
SERIES	WATTAGE	VOLTAGE	OVERALL LENGTH	PHASE	TYPE OF PROTECTOR	WIRE & CONDUIT LENGTH
P Steel	1 1000	1 120V	11 1kW	No Designator = Single Phase Power (std)	REPLACEABLE FUSE	blank - 36" TEFLON CONDUIT
F 304 stainless steel	2 2000	2 240V	17 2kW		P1 <sub>(std)</sub> - SOLUTIONS UP TO 180°F	
S 316 stainless steel	3 3000	3 380V	23 3kW	-3 = Three Phase Power	P4 - SOLUTIONS UP TO 230°F	SPECIFY LENGTH - EX. X84 = 84" TEFLON CONDUIT
T Titanium	4 4000	4 480V	29 4kW		P5 - SOLUTIONS UP TO 300°F	
	5 5000	5 415V	35 5kW		RESETTABLE FUSE	
	6 6000	6 600V	40 6kW		P2 - SOLUTIONS UP TO 180°F	
	7 7000	7 400V	47 8kW		P6 - SOLUTIONS UP TO 230°F	
	8 8000	8 208V	54 9kW		P7 - SOLUTIONS UP TO 300°F	
	9 9000	9 220V	59 10kW			
	10 10000	0 200V	60 12kW			
	11 11000					
	12 12000					

EX. IM-S8447-3-P1 METAL OVER THE SIDE 316SS Immersion Heater, 8kW, 480V, 3PH, 47" Overall Length, P1 Replaceable Fuse for Solutions up to 180degF, 36" Teflon Conduit