



Single L Shaped Metal Bottom Heater

Durable, efficient metal heater. Available in Steel, 304 Stainless Steel, 316 Stainless Steel, and Titanium.



FEATURES

For use in most aqueous alkaline solutions, plating and phosphate tanks. Check solution recommendation chart with your chemical supplier for proper sheath material selection.

Heavy wall metal sheaths available in: steel, 304 stainless steel, 316 stainless steel, titanium.

Watt densities up to 35 watts per square inch (5.4 w/cm²) ensure long service life.

Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

Temperature and level controls sized to match the heater.

Lower watt densities for highly viscous solutions.

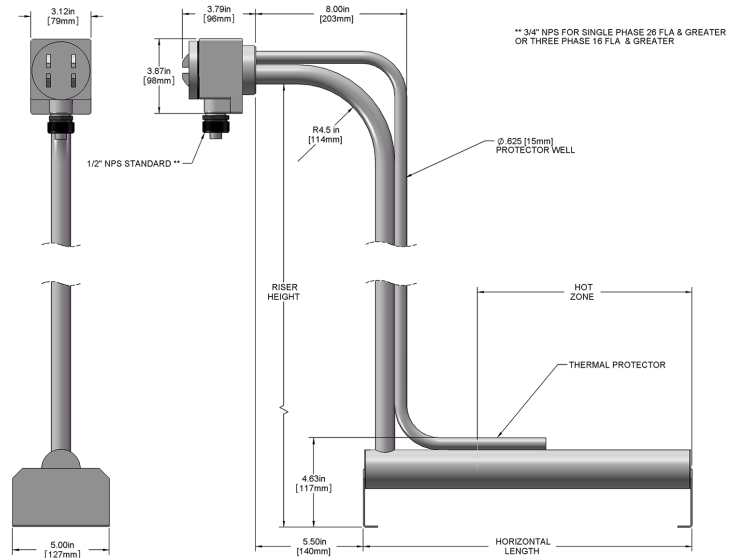
L SERIES, METAL L-SHAPED HEATERS									
WATTS	VOLTS	HORIZ. In./(mm)	STD. VERT.* In./(mm)	STEEL	304 SS	316 SS	TITANIUM	SHIP WGT. Lbs/(kg)	
1000	120	13	15	LP1113-R**. **	LF1113-R**. **	LS1113-R**. **	LT1113-R**. **	10	
	240	(330)	(381)	LP1213-R**. **	LF1213-R**. **	LS1213-R**. **	LT1213-R**. **	(4.5)	
2000	120	17	19	LP2117-R**. **	LF2117-R**. **	LS2117-R**. **	LT2117-R**. **	11	
	240	(432)	(483)	LP2217-R**. **	LF2217-R**. **	LS2217-R**. **	LT2217-R**. **	(5)	
	480			LP2417-R**. **	LF2417-R**. **	LS2417-R**. **	LT2417-R**. **		
3000	240	22	25	LP3222-R**. **	LF3222-R**. **	LS3222-R**. **	LT3222-R**. **	12	
	480	(559)	(635)	LP3422-R**. **	LF3422-R**. **	LS3422-R**. **	LT3422-R**. **	(5.4)	
4000	240	26	25	LP4226-R**. **	LF4226-R**. **	LS4226-R**. **	LT4226-R**. **	13	
	480	(660)	(635)	LP4426-R**. **	LF4426-R**. **	LS4426-R**. **	LT4426-R**. **	(5.9)	
5000	240	31	37	LP5231-R**. **	LF5231-R**. **	LS5231-R**. **	LT5231-R**. **	14	
	480	(787)	(940)	LP5431-R**. **	LF5431-R**. **	LS5431-R**. **	LT5431-R**. **	(6.4)	
6000	240	36	50	LP6236-R**. **	LF6236-R**. **	LS6236-R**. **	LT6236-R**. **	15	
	480	(914)	(1270)	LP6436-R**. **	LF6436-R**. **	LS6436-R**. **	LT6436-R**. **	(6.8)	
8000	240	44	50	LP8244-R**. **	LF8244-R**. **	LS8244-R**. **	LT8244-R**. **	18	
	480	(1118)	(1270)	LP8444-R**. **	LF8444-R**. **	LS8444-R**. **	LT8444-R**. **	(8.2)	
9000	240	50	50	LP9250-R**. **	LF9250-R**. **	LS9250-R**. **	LT9250-R**. **	20	
	480	(1270)	(1270)	LP9450-R**. **	LF9450-R**. **	LS9450-R**. **	LT9450-R**. **	(9.1)	
10000	240	55	50	LP10255-R**. **	LF10255-R**. **	LS10255-R**. **	LT10255-R**. **	22	
	480	(1397)	(1270)	LP10455-R**. **	LF10455-R**. **	LS10455-R**. **	LT10455-R**. **	(10)	
12000	240	64	50	LP12264-R**. **	LF12264-R**. **	LS12264-R**. **	LT12264-R**. **	25	
	480	(1626)	(1270)	LP12464-R**. **	LF12464-R**. **	LS12464-R**. **	LT12464-R**. **	(11.3)	

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SPECIFICATIONS

Wattages	1000 Watts to 12,000 Watts
Voltages	120 volts to 600 volts, (600V on 4,500W or lower only)
Temperature Range	Up to 180°C (82°F)
Options	Special configurations & lengths Longer wire and conduit lengths All metal welded junction box
Safety Features	Grounded construction Thermal protector built in. Replaceable PI protector standard for solutions up to 180°C (82°F). See chart below for options

DIMENSIONS



MODEL NUMBER BREAKDOWN

Series	Wattage	Voltage	Horizontal Length (in.)	Vertical Length (in.)	Riser Option	Phase	Type of Protector	Wire & Conduit Length
LP = Steel	1 = 1000	1 = 120	13 = 1kW	-R15 = 1kW	Blank = 90° horizontal bend (std)	blank = single phase (std)	Replaceable Fuse (Type-J TC)	36" length standard (no designator)
LF = 304 stainless steel	2 = 2000	2 = 240	17 = 2kW	-R19 = 2kW	S = straight riser	-3 = three phase	P1 (std) = solutions up to 180°F	Specify variations from standard Ex: -X84 = 84"
LS = 316 stainless steel	3 = 3000	3 = 380	22 = 3kW	-R25 = 3kW			P4 = solutions up to 230°F	
LT = Titanium	4 = 4000	4 = 480	26 = 4kW	-R25 = 4kW			P5 = solutions up to 300°F	
	5 = 5000	5 = 415	31 = 5kW	-R37 = 5kW			Resettable Fuse (Type-J TC)	
	6 = 6000	6 = 600	36 = 6kW	-R50 = 6kW			P2 = solutions up to 180°F	
	7 = 7000	7 = 400	44 = 8kW	-R50 = 8kW			P6 = solutions up to 230°F	
	8 = 8000	8 = 208	50 = 9kW	-R50 = 9kW			P7 = solutions up to 300°F	
	9 = 9000	9 = 220	55 = 10kW	-R50 = 10kW				
	10 = 10000	0 = 200	64 = 12kW	-R50 = 12kW				
	11 = 11000							
	12 = 12000							