

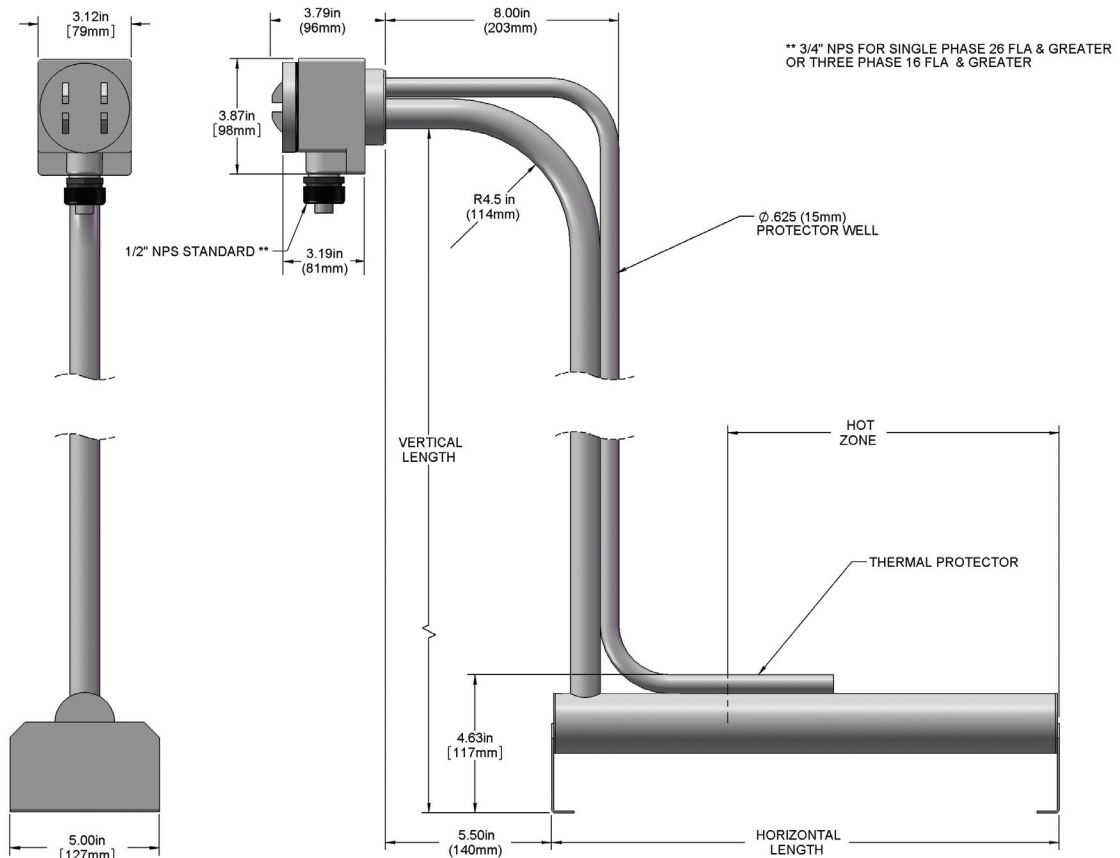
L SERIES, METAL L-SHAPED HEATERS								
WATTS	VOLTS	STD.		STEEL	304 SS	316 SS	TITANIUM	SHIP WGT. Lbs./(kg)
		HORIZ. In./(mm)	VERT.* In./(mm)					
1000	120	13	15	LP1113-R**	LF1113-R**	LS1113-R**	LT1113-R**	10
	240	(330)	(380)	LP1213-R**	LF1213-R**	LS1213-R**	LT1213-R**	(4.5)
2000	120	17	19	LP2117-R**	LF2117-R**	LS2117-R**	LT2117-R**	11
	240	(430)	(485)	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	(560)	(635)	LP3422-R**	LF3422-R**	LS3422-R**	LT3422-R**	(5.5)
4000	240	26	25	LP4226-R**	LF4226-R**	LS4226-R**	LT4226-R**	13
	480	(660)	(635)	LP4426-R**	LF4426-R**	LS4426-R**	LT4426-R**	(6)
5000	240	31	37	LP5231-R**	LF5231-R**	LS5231-R**	LT5231-R**	14
	480	(790)	(940)	LP5431-R**	LF5431-R**	LS5431-R**	LT5431-R**	(6.5)
6000	240	36	50	LP6236-R**	LF6236-R**	LS6236-R**	LT6236-R**	15
	480	(915)	(1270)	LP6436-R**	LF6436-R**	LS6436-R**	LT6436-R**	(7)
8000	240	44	50	LP8244-R**	LF8244-R**	LS8244-R**	LT8244-R**	18
	480	(1120)	(1270)	LP8444-R**	LF8444-R**	LS8444-R**	LT8444-R**	(8)
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)
10000	240	55	50	LP10255-R**	LF10255-R**	LS10255-R**	LT10255-R**	22
	480	(1400)	(1270)	LP10455-R**	LF10455-R**	LS10455-R**	LT10455-R**	(10)
12000	480	64	50	LP12464-R**	LF12464-R**	LS12464-R**	LT12464-R**	25
		(1625)	(1270)					(11.5)

* Specify vertical length by adding height in inches after "-R". Example: LS2217-R24-P1.

Product Features and Benefits:

- ◆ **SUPERIOR CHEMICAL RESISTANCE:** Materials available for use in most aqueous alkaline solutions, plating solutions, and rinse tanks. Check solution recommendation chart or with your chemical supplier for proper sheath material selection.
- ◆ **RUGGED CONSTRUCTION:** Heavy wall metal sheaths available in:
 - Steel.
 - 304 stainless steel.
 - 316 stainless steel.
 - Titanium.
- ◆ **OUTSTANDING PERFORMANCE:** Watt densities of 35 watts per square inch (5.4 w/cm²) ensure long service life. Two-inch sludge legs standard.
- ◆ **EVEN HEATING:** Bottom design for even heating and varying liquid levels.
- ◆ **CORROSION RESISTANT HEAD:** Vapor resistant, flame retardant polypropylene terminal enclosure with 3-foot (.9m) flexible PVC liquid tight conduit.
- ◆ **SAFETY FEATURES:**
 - Grounded construction.
 - Thermal protector built in. Replaceable P1 protector standard for solutions up to 180°F (82°C).
 - Non-floating construction.
- ◆ **CERTIFICATIONS:** UL listed (except steel) to U.S. and Canadian safety requirements, and CE.
- ◆ **SIZES:** 1,000 watts to 12,000 watts.
- ◆ **VOLTAGES:** 120 to 600 volts. Single phase standard, three phase available.
- ◆ **OPTIONS AVAILABLE** (consult factory):
 - Replaceable thermal protectors:
 - P4: for solutions from 180°F (82°C) to 230°F (110°C).
 - Resettable thermal protectors:
 - P2: for solutions up to 180°F (82°C).
 - P6: for solutions from 180°F (82°C) to 230°F (110°C).
 - Special configurations and vertical lengths.
 - Longer wire and conduit lengths.
 - Longer sludge legs.
 - Flexible risers (available with P2 thermal protectors only).
 - Lower watt densities for highly viscous solutions.
 - Temperature and level controls sized to match the heater.

DIMENSIONS



** 3/4" NPS FOR SINGLE PHASE 26 FLA & GREATER
OR THREE PHASE 16 FLA & GREATER

SINGLE TUBE METAL L-SHAPED HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Horizontal Length (in.)	Vertical Length (in.)	Riser Option	Options	Type of Protector	Wire and Conduit Length														
	1 = 1000 2 = 2000 3 = 3000 4 = 4000 5 = 5000 6 = 6000 8 = 8000 9 = 9000 10 = 10000 12 = 12000	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 6 = 600 7 = 400 8 = 208 9 = 220 0 = 200	13 = 1kW 17 = 2kW 22 = 3kW 26 = 4kW 31 = 5kW 36 = 6kW 44 = 8kW 50 = 9kW 55 = 10kW 64 = 12kW	-R15 = 1kW -R19 = 2kW -R25 = 3kW -R25 = 4kW -R37 = 5kW -R50 = 6kW -R50 = 8kW -R50 = 9kW -R50 = 10kW -R50 = 12kW (custom lengths available) Ex: -R21 = 21" -FR = flex riser Ex: -FR21 = 21"				no designator = 36" length standard specify variations from standard Ex: -X84 = 84"														
	LP = steel LF = 304 stainless steel LS = 316 stainless steel LT = titanium						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Replaceable Protector</th> </tr> <tr> <td style="text-align: center;">-P1</td> <td style="text-align: center;">for solutions up to 180°F</td> </tr> <tr> <td style="text-align: center;">-P4</td> <td style="text-align: center;">for 180° - 220°F solutions</td> </tr> <tr> <th colspan="2" style="text-align: center;">Resettable Protector</th> </tr> <tr> <td colspan="2" style="text-align: center;">(additional control components required)</td> </tr> <tr> <td style="text-align: center;">-P2</td> <td style="text-align: center;">for solutions up to 180°F</td> </tr> <tr> <td style="text-align: center;">-P6</td> <td style="text-align: center;">for 180° - 220°F solutions</td> </tr> </table>	Replaceable Protector		-P1	for solutions up to 180°F	-P4	for 180° - 220°F solutions	Resettable Protector		(additional control components required)		-P2	for solutions up to 180°F	-P6	for 180° - 220°F solutions	
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-P6	for 180° - 220°F solutions																					
			no designator = 90° horizontal bend (standard) -S = straight riser				no designator = single phase power (standard) -3 = three phase power															

1 inch = 25.4mm

ORDERING EXAMPLE:

LT4226-R20-P2-X72

L-shaped, titanium, 4,000 watts, 240 volt, 26" horizontal, 20" vertical riser, P2 protector, 72" wire and conduit.

**PROCESS
TECHNOLOGY**