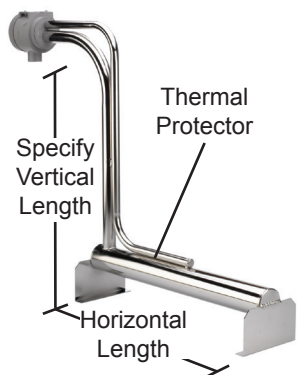




L SERIES, METAL L-SHAPED HEATERS									
WATTS	VOLTS	STD.		STEEL	304 SS	316 SS	TITANIUM	SHIP WGT. Lbs./kg)	
		HORIZ. In./(mm)	VERT.* In./(mm)						
1000	120	13	15	LP1113-R**	LF1113-R**	LS1113-R**	LT1113-R**	10	
	240	(330)	(381)	LP1213-R**	LF1213-R**	LS1213-R**	LT1213-R**	(4.5)	
2000	120	17	19	LP2117-R**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

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



## L Series Heater Features and Benefits

### SUPERIOR CHEMICAL RESISTANCE:

- ◆ For use in most aqueous alkaline solutions, and plating and phosphate tanks. Check solution recommendation chart 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 up to 35 watts per square inch (5.4 w/cm<sup>2</sup>) ensure long service life.

### CORROSION RESISTANT HEAD:

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

### SAFETY FEATURES:

- ◆ Grounded construction.
- ◆ Thermal protector built in. Replaceable PI protector standard for solutions up to 180°F (82°C).
- ◆ Non-floating construction.

**CERTIFICATIONS:** cULus listed (except steel) and CE compliant (except 600 volts).

**SIZES:** 1,000 watts to 12,000 watts.

### VOLTAGES:

- ◆ 120 to 600 volts.

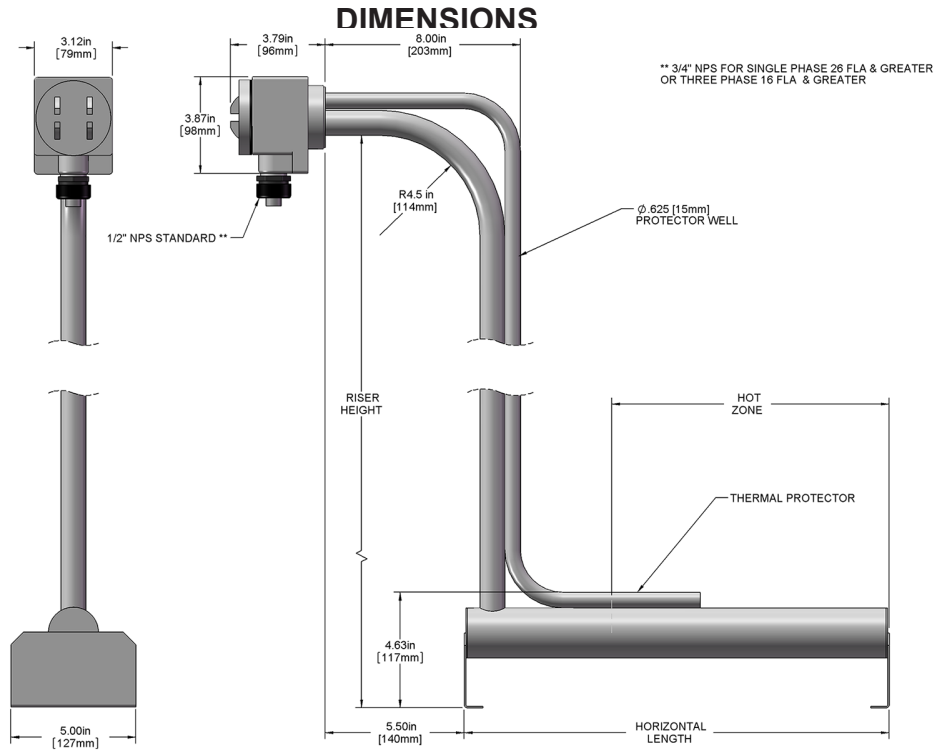
### OPTIONS AVAILABLE (consult factory):

- ◆ Replaceable thermal protectors:  
P4: for solutions up to 230°F(110°C)  
P5: for solutions up to 300°F(149°C)

Resettable thermal protectors:

- P2: for solutions up to 180°F(82°C)
- P6: for solutions up to 230F(110°C)
- P7: for solutions up to 300°F(149°C)

- ◆ Special configurations and lengths.
- ◆ Longer wire and conduit lengths.
- ◆ Lower watt densities for highly viscous solutions.
- ◆ Temperature and level controls sized to match the heater (sold separately).
- ◆ All metal welded junction box.



**SINGLE TUBE METAL L-SHAPED HEATER ORDERING INFORMATION**

Series	wattage	voltage	Length (in.)	Length (in.)	Option	Options	Protector	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						<p><b>Replaceable Protector</b></p> <table border="1"> <tr> <td>P1 (std)</td> <td>for solutions up to 180°F</td> </tr> <tr> <td>P4</td> <td>for solutions up to 230°F</td> </tr> <tr> <td>P5</td> <td>for solutions up to 300°F</td> </tr> </table> <p><b>Resettable Protector</b> (additional control components required)</p> <table border="1"> <tr> <td>P2</td> <td>for solutions up to 180°F</td> </tr> <tr> <td>P6</td> <td>for solutions up to 230°F</td> </tr> <tr> <td>P7</td> <td>for solutions up to 300°F</td> </tr> </table>	P1 (std)	for solutions up to 180°F	P4	for solutions up to 230°F	P5	for solutions up to 300°F	P2	for solutions up to 180°F	P6	for solutions up to 230°F	P7	for solutions up to 300°F	
P1 (std)	for solutions up to 180°F																			
P4	for solutions up to 230°F																			
P5	for solutions up to 300°F																			
P2	for solutions up to 180°F																			
P6	for solutions up to 230°F																			
P7	for solutions up to 300°F																			
			no designator = 90° horizontal bend (standard) S = straight riser				no designator = single phase power (standard) -3 = three phase power													

**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.

