

3LV SERIES, VERTICAL STACK TRIPLE METAL L-SHAPED HEATERS

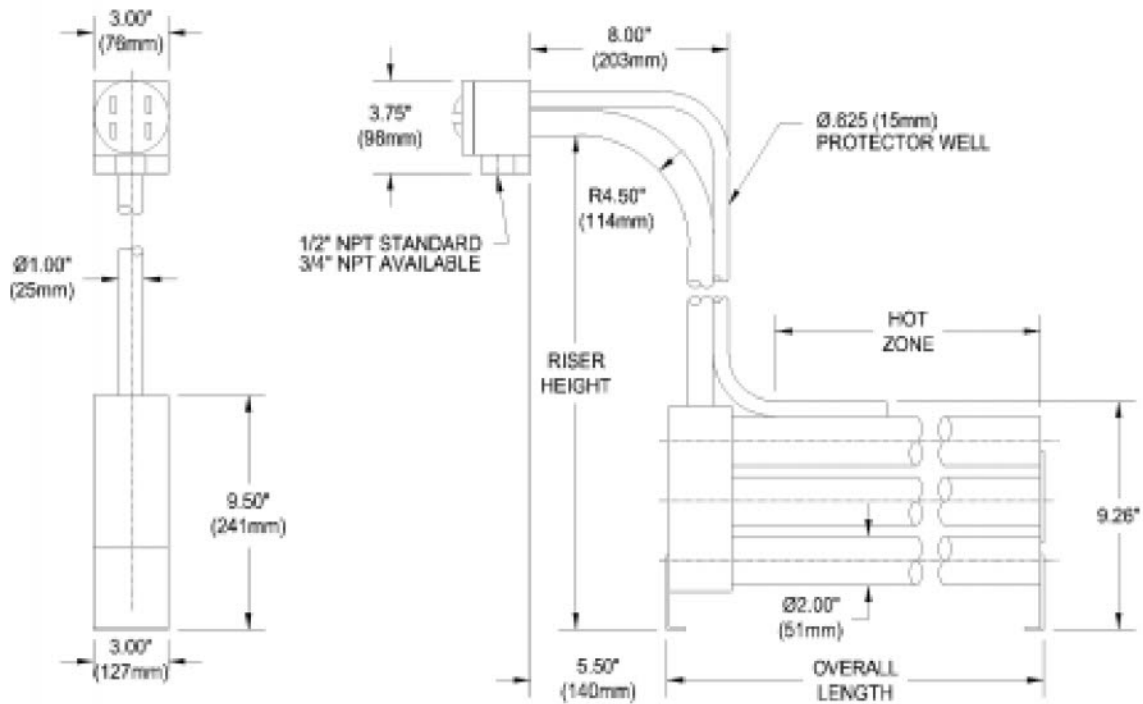
WATTS	VOLTS	HORIZ. STD.		STEEL	304 SS	316 SS	TITANIUM	SHIP WGT.
		LGTH. In./(mm)	VERT.* In./(mm)					
3000	240	13	19	3LVP3213-R*-**	3LVF3213-R*-**	3LVS3213-R*-**	3LVT3213-R*-**	30
	480	(330)	(485)	3LVP3413-R*-**	3LVF3413-R*-**	3LVS3413-R*-**	3LVT3413-R*-**	(14)
6000	240	17	37	3LVP6217-R*-**	3LVF6217-R*-**	3LVS6217-R*-**	3LVT6217-R*-**	33
	480	(430)	(940)	3LVP6417-R*-**	3LVF6417-R*-**	3LVS6417-R*-**	3LVT6417-R*-**	(15)
9000	240	22	37	3LVP9222-R*-**	3LVF9222-R*-**	3LVS9222-R*-**	3LVT9222-R*-**	36
	480	(560)	(940)	3LVP9422-R*-**	3LVF9422-R*-**	3LVS9422-R*-**	3LVT9422-R*-**	(16.5)
12000	240	26	37	3LVP12226-R*-**	3LVF12226-R*-**	3LVS12226-R*-**	3LVT12226-R*-**	39
	480	(660)	(940)	3LVP12426-R*-**	3LVF12426-R*-**	3LVS12426-R*-**	3LVT12426-R*-**	(18)
15000	240	31	37	3LVP15231-R*-**	3LVF15231-R*-**	3LVS15231-R*-**	3LVT15231-R*-**	42
	480	(790)	(940)	3LVP15431-R*-**	3LVF15431-R*-**	3LVS15431-R*-**	3LVT15431-R*-**	(19)
18000	240	36	50	3LVP18236-R*-**	3LVF18236-R*-**	3LVS18236-R*-**	3LVT18236-R*-**	45
	480	(915)	(1270)	3LVP18436-R*-**	3LVF18436-R*-**	3LVS18436-R*-**	3LVT18436-R*-**	(20.5)
24000	240	44	50	3LVP24244-R*-**	3LVF24244-R*-**	3LVS24244-R*-**	3LVT24244-R*-**	54
	480	(1120)	(1270)	3LVP24444-R*-**	3LVF24444-R*-**	3LVS24444-R*-**	3LVT24444-R*-**	(24.5)
27000	240	50	50	3LVP27250-R*-**	3LVF27250-R*-**	3LVS27250-R*-**	3LVT27250-R*-**	60
	480	(1270)	(1270)	3LVP27450-R*-**	3LVF27450-R*-**	3LVS27450-R*-**	3LVT27450-R*-**	(27.5)
30000	240	55	50	3LVP30255-R*-**	3LVF30255-R*-**	3LVS30255-R*-**	3LVT30255-R*-**	66
	480	(1400)	(1270)	3LVP30455-R*-**	3LVF30455-R*-**	3LVS30455-R*-**	3LVT30455-R*-**	(30)
36000	240	64	50	3LVP36264-R*-**	3LVF36264-R*-**	3LVS36264-R*-**	3LVT36264-R*-**	75
	480	(1625)	(1270)	3LVP36464-R*-**	3LVF36464-R*-**	3LVS36464-R*-**	3LVT36464-R*-**	(34)

*Specify vertical length by adding height in inches after "-R". Example: 3LVF3213-R39-PLI.

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, other lengths available.
- ◆ **EVEN HEATING:** Bottom design for even heating and varying liquid levels.
- ◆ **CORROSION RESISTANT HEAD:** Vapor tight, flame retardant polypropylene terminal enclosure with 3-foot (.9m) flexible PVC liquid tight conduit.
- ◆ **SAFETY FEATURES:**
 - Grounded construction.
 - Thermal protector built in. Replaceable PLI fuse standard for solutions up to 180°F (82°C).
 - Non-floating construction.
- ◆ **CERTIFICATIONS:** UL (Except steel sheath), CSA, and CE.
- ◆ **SIZES:** 3,000 watts to 36,000 watts.
- ◆ **VOLTAGES:** 240 or 480 volts. 208, 380, 415, 600 and other voltages available. Three phase standard, single phase available.
- ◆ **OPTIONS AVAILABLE (consult factory):**
 - Replaceable thermal protectors:
 - PLIM: for solutions from 180°F (82°C) to 230°F (110°C).
 - PLIH: for solutions from 230°F (110°C) to 300°F (150°C).
 - Resettable thermal protectors:
 - PLII: for solutions up to 180°F (82°C).
 - PLIIM: for solutions from 180°F (82°C) to 230°F (110°C).
 - PLIIH: for solutions from 230°F (110°C) to 300°F (150°C).
 - Special configurations and vertical lengths.
 - Longer wire and conduit lengths.
 - Longer sludge legs.
 - Flexible risers. (Available with PLII thermal protectors only.)
 - Lower watt densities for highly viscous solutions.
 - Temperature and level controls sized to match the heater.

DIMENSIONS



TRIPLE TUBE VERTICAL STACK METAL L-SHAPED HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Horizontal Length (in.)	Vertical Length (in.)	Riser Option	Options	Type of Fuse	Wire and Conduit Length
	3 = 3000 6 = 6000 9 = 9000 12 = 12000 15 = 15000 18 = 18000 24 = 24000 27 = 27000 30 = 30000 36 = 36000	2 = 240 4 = 480 -208 = 208 -277 = 277 -380 = 380 -415 = 415 -600 = 600	13 = 3kW 17 = 6kW 22 = 9kW 26 = 12kW 31 = 15kW 36 = 18kW 44 = 24kW 50 = 27kW 55 = 30kW 64 = 36kW	-R19 = 3kW -R37 = 6kW -R37 = 9kW -R37 = 12kW -R37 = 15kW -R50 = 18kW -R50 = 24kW -R50 = 27kW -R50 = 30kW -R50 = 36kW (custom lengths available) Ex: -R21 = 21" -FR = flex riser Ex: -FR21 = 21"			no designator = 36" length standard specify variations from standard Ex: -X84 = 84"	
	3LVP = Steel 3LVF = 304 Stainless Steel 3LVS = 316 Stainless Steel 3LVT = Titanium						Replaceable Fuse -PLI (std) for solutions up to 180°F -PLIM for 180° - 230°F solutions -PLIH for 230° - 300°F solutions Resettable Fuse (additional control components required) -PLII for solutions up to 180°F -PLIIM for 180° - 230°F solutions -PLIIH for 230° - 300°F solutions	
			no designator = 90° horizontal bend (standard) -S = straight riser			-X = any special configuration not called out in the part number (specify in clear text) no designator = three phase power (standard) -1 = single phase power		

ORDERING EXAMPLE:

3LVS12426-R50-PLIM-X72

Triple tube, L-shaped, vertical stack, 316 SS, 12,000 watts, 480 volt, 26" length, 50" vertical riser, PLIM fuse, 72" wire and conduit

**PROCESS
TECHNOLOGY**

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