

# DURABLE, EFFICIENT CHEMICAL HEATER

L-shaped, vertical MOTS heater with heavy wall metal sheaths available in Steel, 304 Stainless Steel, 316 Stainless Steel, and Titanium. 3,000-36,000 watts, 240-480 volts.



## 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/cm<sup>2</sup>) 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.

3LV SERIES, VERTICAL STACK TRIPLE METAL L-SHAPED HEATERS									
WATTS	VOLTS	STD.		STEEL	304 SS	316 SS	TITANIUM	SHIP	WGT. Lbs./kg)
		HORIZ. In./mm)	VERT.* In./mm)						
3000	240	13	15	3LVP3213-R**	3LVF3213-R**	3LVS3213-R**	3LVT3213-R**	30	(13.6)
	480	(330)	(381)	3LVP3413-R**	3LVF3413-R**	3LVS3413-R**	3LVT3413-R**	33	(15)
6000	240	17	37	3LVP6217-R**	3LVF6217-R**	3LVS6217-R**	3LVT6217-R**	36	(16.3)
	480	(432)	(940)	3LVP6417-R**	3LVF6417-R**	3LVS6417-R**	3LVT6417-R**	39	(17.7)
9000	240	22	37	3LVP9222-R**	3LVF9222-R**	3LVS9222-R**	3LVT9222-R**	42	(19.1)
	480	(559)	(940)	3LVP9422-R**	3LVF9422-R**	3LVS9422-R**	3LVT9422-R**	45	(20.4)
12000	240	26	37	3LVP12226-R**	3LVF12226-R**	3LVS12226-R**	3LVT12226-R**	54	(24.5)
	480	(660)	(940)	3LVP12426-R**	3LVF12426-R**	3LVS12426-R**	3LVT12426-R**	60	(27.2)
15000	240	31	37	3LVP15231-R**	3LVF15231-R**	3LVS15231-R**	3LVT15231-R**	66	(29.9)
	480	(787)	(940)	3LVP15431-R**	3LVF15431-R**	3LVS15431-R**	3LVT15431-R**	75	(34)
18000	240	36	50	3LVP18236-R**	3LVF18236-R**	3LVS18236-R**	3LVT18236-R**	80	(36.3)
	480	(914)	(1270)	3LVP18436-R**	3LVF18436-R**	3LVS18436-R**	3LVT18436-R**	86	(39.2)
24000	240	44	50	3LVP24244-R**	3LVF24244-R**	3LVS24244-R**	3LVT24244-R**	90	(40.8)
	480	(1118)	(1270)	3LVP24444-R**	3LVF24444-R**	3LVS24444-R**	3LVT24444-R**	96	(43.7)
27000	480	50	50	3LVP27450-R**	3LVF27450-R**	3LVS27450-R**	3LVT27450-R**	100	(45.4)
			(1270)	(1270)				106	(48.3)
30000	480	55	50	3LVP30455-R**	3LVF30455-R**	3LVS30455-R**	3LVT30455-R**	110	(50.0)
			(1397)	(1270)				116	(52.6)
36000	480	64	50	3LVP36464-R**	3LVF36464-R**	3LVS36464-R**	3LVT36464-R**	120	(54.4)
			(1626)	(1270)				126	(57.3)

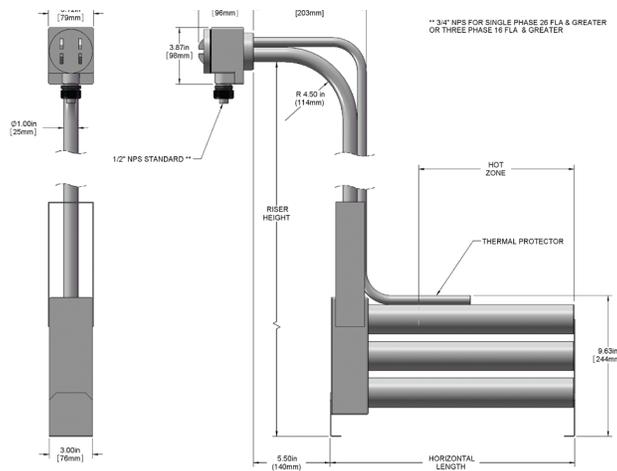
Three Phase standard

# L-Shaped, Vertical Triple Metal Over the Side Heaters

## SPECIFICATIONS

Wattages	3,000 Watts to 36,000 Watts
Voltages	240 Volts to 480 Volts
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 . See chart below for protector options.

## DIMENSIONS



## MODEL NUMBER BREAKDOWN

Series	Wattage	Voltage	Horizontal Length (in.)	Vertical Length (in.)	Riser Option	Phase	Type of Protector	Wire & Conduit Length
3LVP = Steel	3 = 3000	2 = 240	13 = 3kW	-R19 = 3kW	Blank = 90° horizontal bend (std)	blank = single phase (std)	Replaceable Fuse	36" length standard (no designator)
3LVP = 304 stainless steel	6 = 6000	3 = 380	17 = 6kW	-R37 = 6kW	-S = straight riser	-3 = three phase	P1 (std) = solutions up to 180°F	Specify variations from standard Ex: -X84 = 84"
3LVS = 316 stainless steel	9 = 9000	4 = 480	22 = 9kW	-R37 = 9kW			P4 = solutions up to 230°F	
3LVT = Titanium	12 = 12000	5 = 415	26 = 12kW	-R37 = 12kW			P5 = solutions up to 300°F	
	15 = 15000	6 = 600	31 = 15kW	-R37 = 15kW			Resettable Fuse	
	18 = 18000	7 = 400	36 = 18kW	-R50 = 18kW			P2 = solutions up to 180°F	
	24 = 24000	8 = 208	44 = 24kW	-R50 = 24kW			P4 = solutions up to 230°F	
	27 = 27000	9 = 220	50 = 27kW	-R50 = 27kW			P6 = solutions up to 230°F	
	30 = 30000	0 = 200	55 = 30kW	-R50 = 30kW			P7 = solutions up to 300°F	
	36 = 36000		64 = 36kW	-R50 = 36kW				