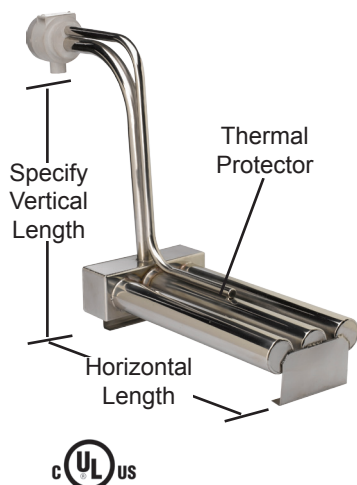




D3L SERIES, DERATED TRIPLE METAL L-SHAPED HEATERS									
WATTS	VOLTS	STD.		STEEL	304 SS	316 SS	TITANIUM	SHIP WGT.	
		HORIZ.	VERT.*						
		ln./.(mm)	ln./.(mm)					Lbs./.(kg)	
1500	120	13	15	D3LP1.5113-R*-**	D3LF1.5113-R*-**	D3LS1.5113-R*-**	D3LT1.5113-R*-**	30	
	240	(330)	(381)	D3LP1.5213-R*-**	D3LF1.5213-R*-**	D3LS1.5213-R*-**	D3LT1.5213-R*-**	(13.6)	
3000	240	17	37	D3LP3217-R*-**	D3LF3217-R*-**	D3LS3217-R*-**	D3LT3217-R*-**	33	
	480	(432)	(940)	D3LP3417-R*-**	D3LF3417-R*-**	D3LS3417-R*-**	D3LT3417-R*-**	(15)	
4500	240	22	37	D3LP4.5222-R*-**	D3LF4.5222-R*-**	D3LS4.5222-R*-**	D3LT4.5222-R*-**	36	
	480	(559)	(940)	D3LP4.5422-R*-**	D3LF4.5422-R*-**	D3LS4.5422-R*-**	D3LT4.5422-R*-**	(16.3)	
6000	240	26	37	D3LP6226-R*-**	D3LF6226-R*-**	D3LS6226-R*-**	D3LT6226-R*-**	39	
	480	(660)	(940)	D3LP6426-R*-**	D3LF6426-R*-**	D3LS6426-R*-**	D3LT6426-R*-**	(17.7)	
7500	240	31	37	D3LP7.5231-R*-**	D3LF7.5231-R*-**	D3LS7.5231-R*-**	D3LT7.5231-R*-**	42	
	480	(787)	(940)	D3LP7.5431-R*-**	D3LF7.5431-R*-**	D3LS7.5431-R*-**	D3LT7.5431-R*-**	(19.1)	
9000	240	36	50	D3LP9236-R*-**	D3LF9236-R*-**	D3LS9236-R*-**	D3LT9236-R*-**	45	
	480	(914)	(1270)	D3LP9436-R*-**	D3LF9436-R*-**	D3LS9436-R*-**	D3LT9436-R*-**	(20.4)	
12000	240	44	50	D3LP12244-R*-**	D3LF12244-R*-**	D3LS12244-R*-**	D3LT12244-R*-**	54	
	480	(1118)	(1270)	D3LP12444-R*-**	D3LF12444-R*-**	D3LS12444-R*-**	D3LT12444-R*-**	(24.5)	
13500	240	50	50	D3LP13.5250-R*-**	D3LF13.5250-R*-**	D3LS13.5250-R*-**	D3LT13.5250-R*-**	60	
	480	(1270)	(1270)	D3LP13.5450-R*-**	D3LF13.5450-R*-**	D3LS13.5450-R*-**	D3LT13.5450-R*-**	(27.2)	
15000	240	55	50	D3LP15255-R*-**	D3LF15255-R*-**	D3LS15255-R*-**	D3LT15255-R*-**	66	
	480	(1397)	(1270)	D3LP15455-R*-**	D3LF15455-R*-**	D3LS15455-R*-**	D3LT15455-R*-**	(29.9)	
18000	240	64	50	D3LP18264-R*-**	D3LF18264-R*-**	D3LS18264-R*-**	D3LT18264-R*-**	75	
	480	(1626)	(1270)	D3LP18464-R*-**	D3LF18464-R*-**	D3LS18464-R*-**	D3LT18464-R*-**	(34)	

* Specify vertical length by adding height in inches after "R". Example: D3LS3217-R36-P1.

D3L 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 18 watts per square inch (2.8 w/cm²) 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 protectors 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: 1,500 watts to 18,000 watts.

VOLTAGES:

- 120 to 600 volts.

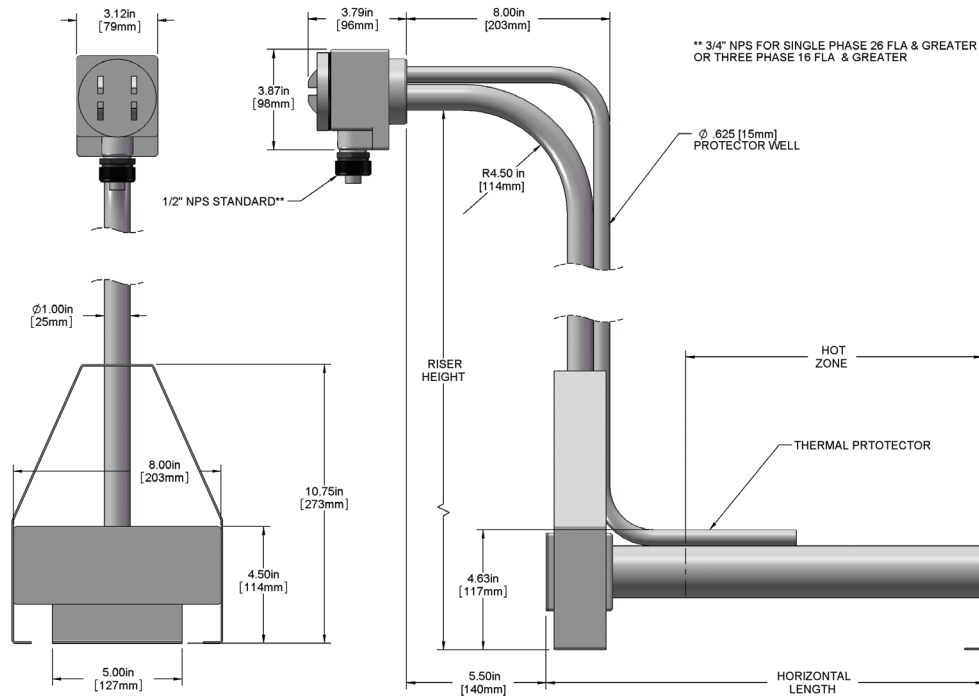
OPTIONS AVAILABLE (consult factory):

- 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 230°F(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.

DIMENSIONS



DERATED TRIPLE 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
	1.5 = 1500 3 = 3000 4.5 = 4500 6 = 6000 7.5 = 7500 9 = 9000 12 = 12000 13.5 = 13500 15 = 15000 18 = 18000	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 6 = 600 7 = 400 8 = 208 9 = 220 0 = 200	13 = 1.5kW 17 = 3kW 22 = 4.5kW 26 = 6kW 31 = 7.5kW 36 = 9kW 44 = 12kW 50 = 13.5kW 55 = 15kW 64 = 18kW	-R15 = 1.5kW -R37 = 3kW -R37 = 4.5kW -R37 = 6kW -R37 = 7.5kW -R50 = 9kW -R50 = 12kW -R50 = 13kW -R50 = 15kW -R50 = 18kW (custom lengths available) Ex: -R21 = 21" -FR = flex riser Ex: -FR21 = 21"				no designator = 36" length standard specify variations from standard Ex: -X84 = 84"
D3LP = steel D3LF = 304 stainless steel D3LS = 316 stainless steel D3LT = titanium			no designator = 90° horizontal bend (standard) -S = straight riser			no designator = three phase power (standard) -1 = single phase power		
						Replaceable Protector P1 for solutions up to 180°F P4 for solutions up to 230°F P5 for solutions up to 300°F Resettable Protector (additional control components required) P2 for solutions up to 180°F P6 for solutions up to 230°F P7 for solutions up to 300°F		

ORDERING EXAMPLE:

D3LF12444-R50-P4

Derated, L-shaped, triple tube, 304 SS, 12,000 watts, 480 volt, 44" length, 50" vertical riser, P4 protector.

**PROCESS
TECHNOLOGY**