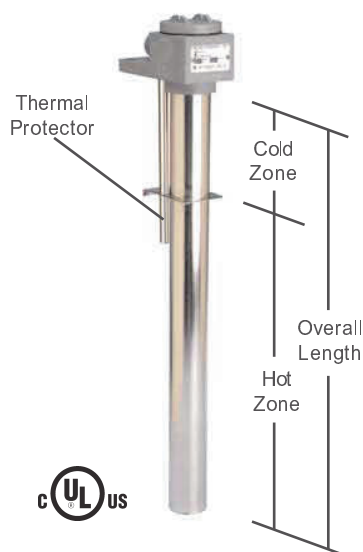




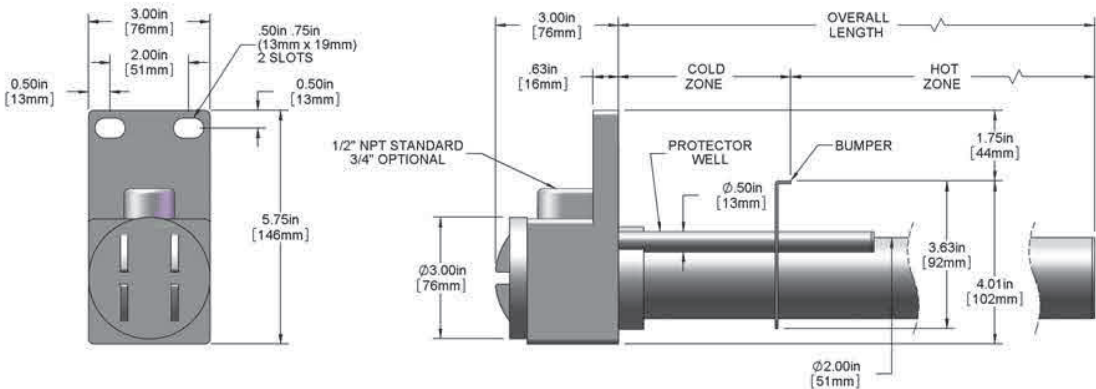
D SERIES, DERATED METAL HEATERS									
WATTS	VOLTS	HOT ZONE In./ (mm)	OVERALL LENGTH In./ (mm)	STEEL	304 SS	316 SS	TITANIUM	SHIP WGT. Lbs./ (kg)	
500	120	6	11	DP.5111-**-	DF.5111-**-	DS.5111-**-	DT.5111-**-	7	
	240	(155)	(280)	DP.5211-**-	DF.5211-**-	DS.5211-**-	DT.5211-**-	(3.5)	
1000	240	10	17	DP1217-**-	DF1217-**-	DS1217-**-	DT1217-**-	10	
	480	(255)	(430)	DP1417-**-	DF1417-**-	DS1417-**-	DT1417-**-	(4.5)	
1500	240	16	23	DP1.5223-**-	DF1.5223-**-	DS1.5223-**-	DT1.5223-**-	11	
	480	(405)	(585)	DP1.5423-**-	DF1.5423-**-	DS1.5423-**-	DT1.5423-**-	(5)	
2000	240	20	29	DP2229-**-	DF2229-**-	DS2229-**-	DT2229-**-	13	
	480	(510)	(735)	DP2429-**-	DF2429-**-	DS2429-**-	DT2429-**-	(6)	
2500	240	25	35	DP2.5235-**-	DF2.5235-**-	DS2.5235-**-	DT2.5235-**-	15	
	480	(635)	(890)	DP2.5435-**-	DF2.5435-**-	DS2.5435-**-	DT2.5435-**-	(7)	
3000	240	30	40	DP3240-**-	DF3240-**-	DS3240-**-	DT3240-**-	17	
	480	(760)	(1015)	DP3440-**-	DF3440-**-	DS3440-**-	DT3440-**-	(8)	
4000	240	37	47	DP4247-**-	DF4247-**-	DS4247-**-	DT4247-**-	23	
	480	(940)	(1195)	DP4447-**-	DF4447-**-	DS4447-**-	DT4447-**-	(10.5)	
4500	240	44	54	DP4.5254-**-	DF4.5254-**-	DS4.5254-**-	DT4.5254-**-	24	
	480	(1120)	(1370)	DP4.5454-**-	DF4.5454-**-	DS4.5454-**-	DT4.5454-**-	(11)	
5000	240	49	59	DP5259-**-	DF5259-**-	DS5259-**-	DT5259-**-	25	
	480	(1245)	(1500)	DP5459-**-	DF5459-**-	DS5459-**-	DT5459-**-	(11.5)	
6000	240	58	68	DP6268-**-	DF6268-**-	DS6268-**-	DT6268-**-	28	
	480	(1475)	(1730)	DP6468-**-	DF6468-**-	DS6468-**-	DT6468-**-	(13)	

Three phase available as option, add "-3" before thermal protector designator.

Product Features and Benefits:

- ◆ **SUPERIOR CHEMICAL RESISTANCE:** Materials available for use in most concentrated aqueous alkaline solutions, plating and phosphate solutions. 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:** Low watt densities of 18 watts per square inch (2.8 w/cm²) extend service life.
- ◆ **CORROSION RESISTANT HEAD:** Vaportight, flame retardant polypropylene terminal enclosure with 3-foot (.9m) flexible PVC liquid tight conduit.
- ◆ **SAFETY FEATURES:**
 - Grounded construction.
 - Thermal protector built in. Replaceable P1 fuse 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:** 500 watts to 6,000 watts.
- ◆ **VOLTAGES:** 120, 240 or 480 volts. 208, 380, 415, 600 and other voltages available. 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).
 - P5: for solutions from 230°F (110°C) to 300°F (150°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).
 - P7: for solutions from 230°F (110°C) to 300°F (150°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.

DIMENSIONS



DERATED SINGLE TUBE METAL OVER THE SIDE HEATER ORDERING INFORMATION

SINGLE PHASE POWER OVER THE SIDE HEATER ORDERING INFORMATION						
Series	Wattage	Voltage	Length (in.)	Options	Type of Fuse	Wire and Conduit Length
	.5 = 500	1 = 120	11 = .5kW			no designator = 36" length standard specify variations from standard Ex: -X84 = 84"
	1 = 1000	2 = 240	17 = 1kW			
	1.5 = 1500	3 = 380	23 = 1.5kW			
	2 = 2000	4 = 480	29 = 2kW			
	2.5 = 2500	5 = 415	35 = 2.5kW			
	3 = 3000	6 = 600	40 = 3kW			
	4 = 4000	7 = 400	47 = 4kW			
	4.5 = 4500	8 = 208	54 = 4.5kW			
	5 = 5000	9 = 220	59 = 5kW			
	6 = 6000	0 = 200	68 = 6kW			
	DP = steel DF = 304 stainless steel DS = 316 stainless steel DT = titanium		specify custom lengths, not to exceed tank depth			
no designator = single phase power (standard) -3 = three phase power						
					Replaceable Fuse	
					-P1 (std)	for solutions up to 180°F
					-P4	for 180° - 230°F solutions
					-P5	for 230° - 300°F solutions
					Resettable Fuse	
					(additional control components required)	
					-P2	for solutions up to 180°F
					-P6	for 180° - 230°F solutions
					-P7	for 230° - 300°F solutions
					1 inch = 2.54cm	

ORDERING EXAMPLE:

DT4247-P1-X44

Derated, titanium, 4,000 watts, 240 volt, 47" overall length, P1 fuse, 44" wire and conduit.

