

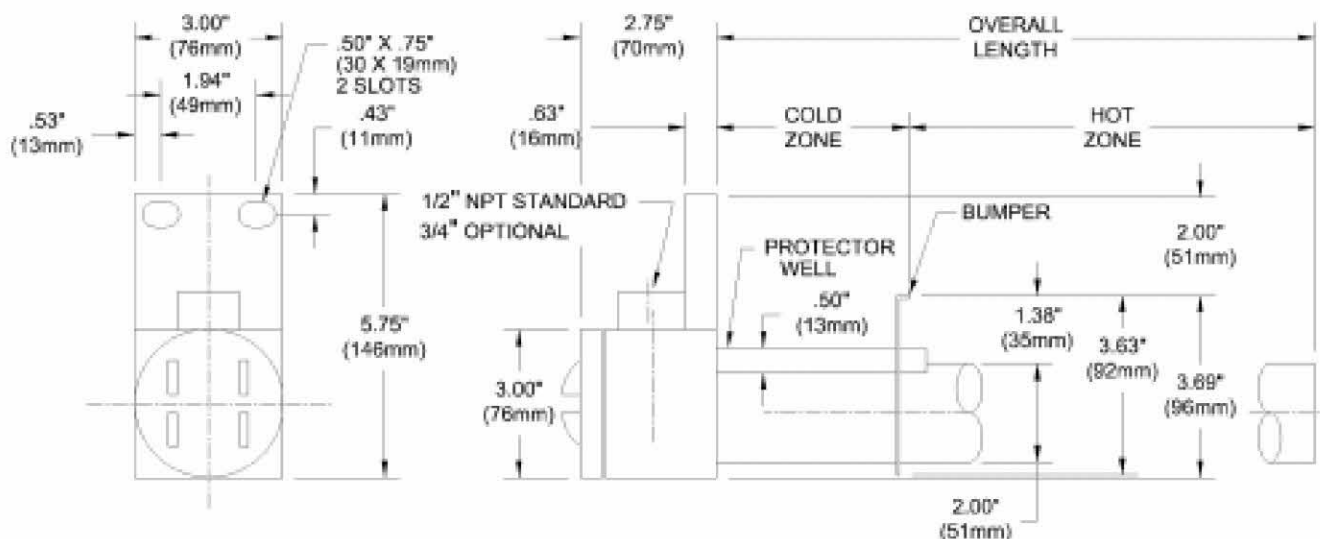
D SERIES, DERATED METAL HEATERS									
WATTS	VOLTS	HOT ZONE		OVERALL LENGTH	STEEL	304 SS	316 SS	TITANIUM	SHIP WGT. Lbs./ (kg)
		In./ (mm)	In./ (mm)						
500	120	6	11	DP.5111-**	DF.5111-**	DS.5111-**	DT.5111-**	7	
	240	(155)	(280)	DP.5211-**	DF.5211-**	DS.5211-**	DT.5211-**	(3.5)	
1000	240	10	17	DP1217-**	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 PI fuse standard for solutions up to 180°F (82°C).
 - Non-floating construction.
- ◆ **CERTIFICATIONS:** UL (except steel sheath), CSA, 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:
 - PIM: for solutions from 180°F (82°C) to 230°F (110°C).
 - PIH: for solutions from 230°F (110°C) to 300°F (150°C).
 - Resettable thermal protectors:
 - PII: for solutions up to 180°F (82°C).
 - PIIM: for solutions from 180°F (82°C) to 230°F (110°C).
 - PIIH: 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

Series	Wattage	Voltage	Length	Options	Type of Fuse	Wire and Conduit Length																		
	.5 = 500 1 = 1000 1.5 = 1500 2 = 2000 2.5 = 2500 3 = 3000 4 = 4000 4.5 = 4500 5 = 5000 6 = 6000	1 = 120 2 = 240 4 = 480 -208- = 208 -380- = 380 -415- = 415 -600- = 600	11 = .5kW 17 = 1kW 23 = 1.5kW 29 = 2kW 35 = 2.5kW 40 = 3kW 47 = 4kW 54 = 4.5kW 59 = 5kW 68 = 6kW specify custom lengths, not to exceed tank depth			no designator = 36" length standard specify variations from standard Ex: -X84 = 84"																		
	DP = steel DF = 304 stainless steel DS = 316 stainless steel DT = titanium				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Replaceable Fuse</th> </tr> </thead> <tbody> <tr> <td style="width: 20%;">-PI (std)</td> <td>for solutions up to 180°F</td> </tr> <tr> <td>-PIM</td> <td>for 180° - 230°F solutions</td> </tr> <tr> <td>-PIH</td> <td>for 230° - 300°F solutions</td> </tr> <tr> <th colspan="2" style="text-align: center;">Resettable Fuse</th> </tr> <tr> <td colspan="2" style="text-align: center;">(additional control components required)</td> </tr> <tr> <td>-PII</td> <td>for solutions up to 180°F</td> </tr> <tr> <td>-PIIM</td> <td>for 180° - 230°F solutions</td> </tr> <tr> <td>-PIIH</td> <td>for 230° - 300°F solutions</td> </tr> </tbody> </table>	Replaceable Fuse		-PI (std)	for solutions up to 180°F	-PIM	for 180° - 230°F solutions	-PIH	for 230° - 300°F solutions	Resettable Fuse		(additional control components required)		-PII	for solutions up to 180°F	-PIIM	for 180° - 230°F solutions	-PIIH	for 230° - 300°F solutions	
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ORDERING EXAMPLE:

DT4247-PI-X44

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

**PROCESS
TECHNOLOGY**

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