



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)	In./ (mm)	In./ (mm)					
500	120	6	11	DP.5111-**	DF.5111-**	DS.5111-**	DT.5111-**			7
	240	(152)	(279)	DP.5211-**	DF.5211-**	DS.5211-**	DT.5211-**			(3.2)
1000	240	10	17	DP1217-**	DF1217-**	DS1217-**	DT1217-**			10
	480	(254)	(432)	DP1417-**	DF1417-**	DS1417-**	DT1417-**			(4.5)
1500	240	16	23	DP1.5223-**	DF1.5223-**	DS1.5223-**	DT1.5223-**			11
	480	(406)	(584)	DP1.5423-**	DF1.5423-**	DS1.5423-**	DT1.5423-**			(5)
2000	240	20	29	DP2229-**	DF2229-**	DS2229-**	DT2229-**			13
	480	(508)	(737)	DP2429-**	DF2429-**	DS2429-**	DT2429-**			(5.9)
2500	240	25	35	DP2.5235-**	DF2.5235-**	DS2.5235-**	DT2.5235-**			15
	480	(635)	(889)	DP2.5435-**	DF2.5435-**	DS2.5435-**	DT2.5435-**			(6.8)
3000	240	30	40	DP3240-**	DF3240-**	DS3240-**	DT3240-**			17
	480	(762)	(1016)	DP3440-**	DF3440-**	DS3440-**	DT3440-**			(7.7)
4000	240	37	47	DP4247-**	DF4247-**	DS4247-**	DT4247-**			23
	480	(940)	(1194)	DP4447-**	DF4447-**	DS4447-**	DT4447-**			(10.4)
4500	240	44	54	DP4.5254-**	DF4.5254-**	DS4.5254-**	DT4.5254-**			24
	480	(1118)	(1372)	DP4.5454-**	DF4.5454-**	DS4.5454-**	DT4.5454-**			(10.9)
5000	240	49	59	DP5259-**	DF5259-**	DS5259-**	DT5259-**			25
	480	(1245)	(1499)	DP5459-**	DF5459-**	DS5459-**	DT5459-**			(11.3)
6000	240	58	68	DP6268-**	DF6268-**	DS6268-**	DT6268-**			28
	480	(1473)	(1727)	DP6468-**	DF6468-**	DS6468-**	DT6468-**			(12.7)

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

## D 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:

- ◆ Low watt densities of 18 watts per square inch (2.8 w/cm<sup>2</sup>) 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 protector 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:** 500 watts to 6,000 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 230F(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.

