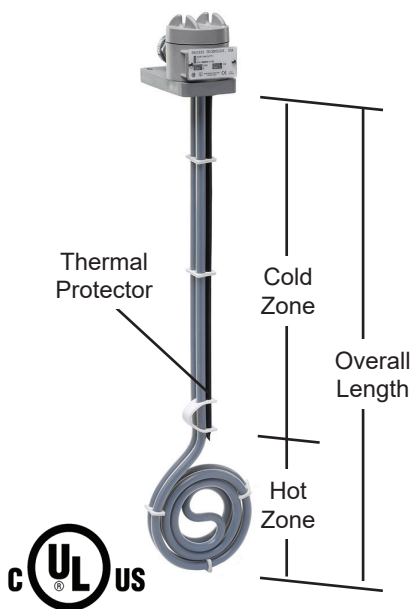




HXF SERIES, LOW PROFILE FLUOROPOLYMER (PTFE) HEATERS							
WATTS	VOLTS	HOT ZONE	OVERALL LENGTH	DIA.	MAX. COLD ZONE	MODEL NUMBER	SHIP WGT. Lbs./ (kg)
		In./ (mm)	In./ (mm)	In./ (mm)	In./ (mm)		
500	120	6	14	5	36	HXF.5105-14-**	6
	240	(152)	(356)	(127)	(914)	HXF.5205-14-**	(2.7)
1000	120	7	14	6	36	HXF1106-14-**	7
	240	(178)	(356)	(152)	(914)	HXF1206-14-**	(3.2)
2000	120	9	17	8	35	HXF2108-17-**	8
	240	(229)	(432)	(203)	(889)	HXF2208-17-**	(3.6)
	480					HXF2408-17-**	
3000	240	10	23	9	35	HXF3209-23-**	13
	480	(254)	(584)	(229)	(889)	HXF3409-23-**	(5.9)
4000	240	12	29	11	35	HXF4211-29-**	15
	480	(305)	(737)	(279)	(889)	HXF4411-29-**	(6.8)
5000	240	13	35	12	31	HXF5212-35-**	18
	480	(330)	(889)	(305)	(787)	HXF5412-35-**	(8.2)
6000	240	14	40	13	25	HXF6213-40-**	22
	480	(356)	(1016)	(330)	(635)	HXF6413-40-**	(10)

SINGLE PHASE ONLY. Guards recommended. This configuration is not recommended for electroless chemistry, phosphoric acid, or applications prone to sludge buildup.



HXF Series Heater Features and Benefits

SUPERIOR CHEMICAL RESISTANCE:

- ♦ Inert to most aqueous acid, alkaline, anodizing and pickling solutions up to 212°F (100°C).

RUGGED CONSTRUCTION:

- ♦ Heavy wall fluoropolymer (PTFE) covered stainless steel element reduces permeation. Guaranteed 100% pinhole free.

OUTSTANDING PERFORMANCE:

- ♦ Low watt density design (10 watts/square inch (1.5w/cm²)) uses minimal space and 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 internal metal element.
- ♦ Thermal protector built in. Replaceable P1 protector standard for solutions up to 180°F(82°C).
- ♦ Non-floating construction.

CERTIFICATIONS: cULus listed and CE compliant (except 600 volts).

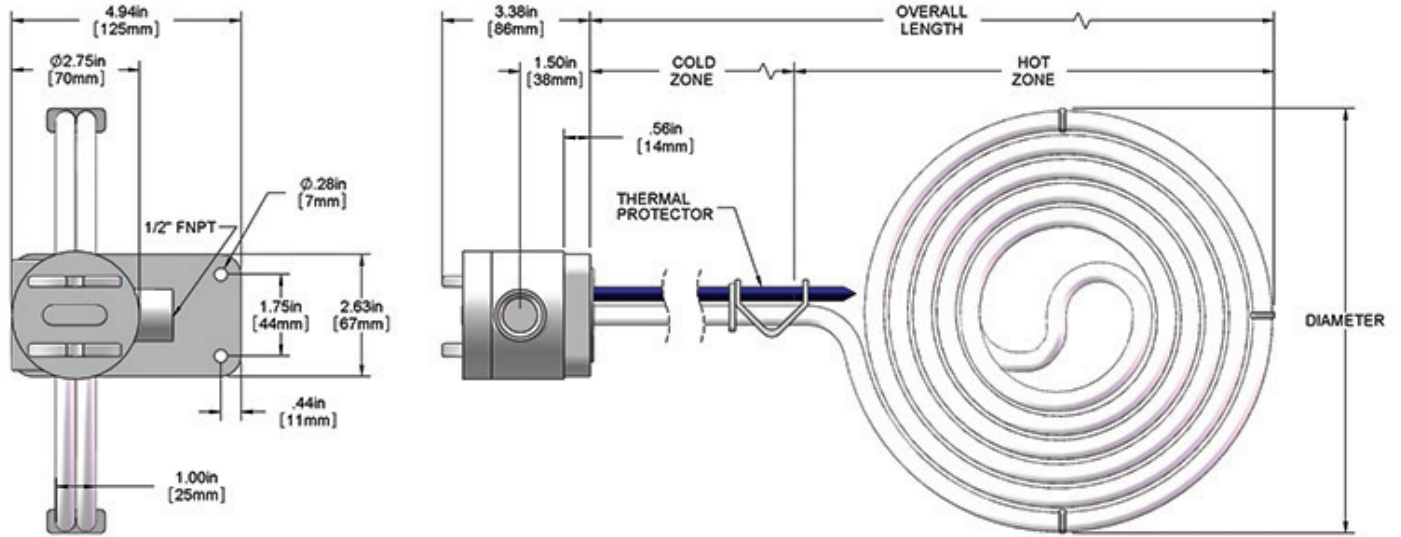
SIZES: 500 watts to 6,000 watts.

VOLTAGES: 120 to 600 volts. (600 volts on 4500 watts or lower only)

OPTIONS AVAILABLE (consult factory):

- ♦ Resettable thermal protectors:
 - P2: For solutions up to 180°F(82°C)
 - P8: Type-J thermocouple for solutions up to 210°F(99°C).
 - P3: Type-J thermocouple for solutions up to 250°F(121°C).
- ♦ Polypropylene guards: Recommended for applications up to 180°F(82°C) (sold separately).
- ♦ Fluoropolymer (PTFE) guards: Recommended for chromic acid and solutions over 180°F(82°C) (sold separately).
- ♦ Special configurations and lengths.
- ♦ Longer wire and conduit lengths.
- ♦ Flexible continuous fluoropolymer leads (P3 protector only).
- ♦ Lower watt densities for highly viscous solutions and technical acids.
- ♦ Temperature and level controls sized to match the heater. (sold separately)
- ♦ Patented purge feature promotes a longer heater life.

DIMENSIONS



LOW PROFILE FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Diameter (in.)	Overall Length (in.)	Type of Protector	Wire and Conduit Length																
	.5 = 500 1 = 1000 2 = 2000 3 = 3000 4 = 4000 5 = 5000 6 = 6000	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 6 = 600 7 = 400 8 = 208 9 = 220 0 = 200	05 = .5kW 06 = 1kW 08 = 2kW 09 = 3kW 11 = 4kW 12 = 5kW 13 = 6kW	-14 = .5kW -14 = 1kW -17 = 2kW -23 = 3kW -29 = 4kW -35 = 5kW -40 = 6kW specify custom lengths, not to exceed tank depth		36" length standard (no designator) specify variations from standard Ex: -X84 = 84"																
	HXF = PTFE HSF = 304 Stainless Steel				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Replaceable Protector</th> </tr> </thead> <tbody> <tr> <td style="width: 30%;">-P1 (std)</td> <td>for solutions up to 190°F</td> </tr> <tr> <td>-P4</td> <td>for 190° - 220°F solutions</td> </tr> <tr> <th colspan="2" style="text-align: center;">Resettable Protector</th> </tr> <tr> <td colspan="2" style="text-align: center;">(additional control components required)</td> </tr> <tr> <td>-P2</td> <td>for solutions up to 190°F</td> </tr> <tr> <td>-P8</td> <td>for solutions up to 210°F</td> </tr> <tr> <td>-P3</td> <td>for solutions up to 250°F</td> </tr> </tbody> </table>		Replaceable Protector		-P1 (std)	for solutions up to 190°F	-P4	for 190° - 220°F solutions	Resettable Protector		(additional control components required)		-P2	for solutions up to 190°F	-P8	for solutions up to 210°F	-P3	for solutions up to 250°F
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ORDERING EXAMPLE:

HXF5412-35-P1

Low profile fluoropolymer heater, 5000 watts, 480 volt, single phase, 12" diameter hot zone, 35" overall length, P1 thermal protector.

