

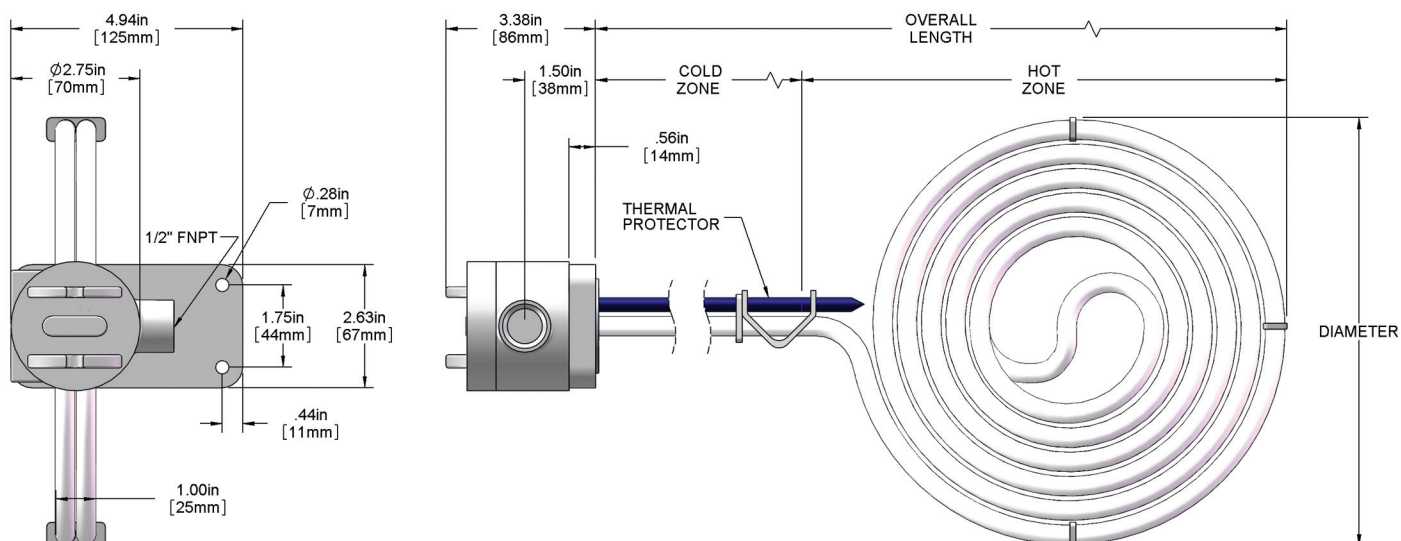
HXF SERIES, LOW PROFILE FLUOROPOLYMER (PTFE) HEATERS							
WATTS	VOLTS	HOT	OVERALL	DIA.	MAX.	MODEL NUMBER	SHIP WGT.
		ZONE	LENGTH		COLD ZONE		
		ln./(mm)	ln./(mm)	ln./(mm)	ln./(mm)		Lbs./(kg)
500	120	6	14	5	36	HXF.5105-14-**	6
	240	(155)	(355)	(125)	(915)	HXF.5205-14-**	(2.5)
1000	120	7	14	6	36	HXF1106-14-**	7
	240	(180)	(355)	(155)	(915)	HXF1206-14-**	(3.5)
2000	120	9	17	8	35	HXF2108-17-**	8
	240	(230)	(430)	(205)	(890)	HXF2208-17-**	(4)
	480					HXF2408-17-**	
3000	240	10	23	9	35	HXF3209-23-**	13
	480	(255)	(585)	(230)	(890)	HXF3409-23-**	(6)
4000	240	12	29	11	35	HXF4211-29-**	15
	480	(305)	(735)	(280)	(890)	HXF4411-29-**	(7)
5000	240	13	35	12	31	HXF5212-35-**	18
	480	(330)	(890)	(305)	(790)	HXF5412-35-**	(8)
6000	240	14	40	13	25	HXF6213-40-**	22
	480	(355)	(1015)	(330)	(635)	HXF6413-40-**	(10)

Single phase only. This configuration is not recommended for electroless chemistry or phosphoric acid; please use DAS series heater for phosphate applications.

Product 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 and eliminates the need for gas purge systems. Guaranteed 100% pinhole free.
- ◆ **OUTSTANDING PERFORMANCE:** Low watt density design (10 watts/square inch, 1.5w/cm²) for long service life. Flat, low profile design saves space in the tank. (This configuration not recommended for electroless chemistries or phosphoric acid.)
- ◆ **CORROSION RESISTANT HEAD:** Vapor tight, flame retardant polypropylene terminal enclosure with 3-foot (.9m) flexible PVC liquid tight conduit.
- ◆ **SAFETY FEATURES:**
 - Grounded internal metal element.
 - Thermal protector built in. Replaceable P1 fuse standard for solutions up to 190°F (88°C).
 - Non-floating construction.
- ◆ **CERTIFICATIONS:** UL, CSA, and CE.
- ◆ **SIZES:** 500 watts to 6,000 watts.
- ◆ **VOLTAGES:** 120, 240 or 480 volts. 208, 380, 415, 600 (CSA only) and other voltages available. Single phase only.
- ◆ **OPTIONS AVAILABLE (consult factory):**
 - Replaceable thermal protectors:
 - P4: for solutions from 190°F (88°C) to 220°F (104°C).
 - Resettable thermal protectors:
 - P2: bi-metal switch for solutions up to 190°F (88°C).
 - P8: type-J thermocouple for solutions from 190°F (88°C) to 210°F (99°C).
 - P3: type-J thermocouple for solutions from 210°F (99°C) to 250°F (121°C).
 - Longer vertical lengths (cold zones).
 - Polypropylene guards: recommended for applications up to 180°F (82°C) (sold separately).
 - Fluoropolymer (PTFE) guards: recommended for chromic acid or solutions over 180°F (82°C) (sold separately).
 - Special configurations.
 - 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.

DIMENSIONS



LOW PROFILE FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

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

1 inch = 25.4mm

ORDERING EXAMPLE:

HXF5412-35-P1-X50

Low profile fluoropolymer heater, 5000 watts, 480 volt, single phase, 12" diameter hot zone, 35" overall length, P1 thermal fuse, 50" wire and conduit

