

# HXF Series

## PRODUCT DATA SHEET

### Fluoropolymer Heater

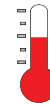
**Excellent chemical resistance to aggressive acids!**

Inert to most solutions

Low Watt density design saves space & ensures long life

Corrosion-resistant head

Built-in thermal protector & grounded element



Up to 100°C (212°F)



500 to 6,000 Watts



120 to 600 Volts  
(600V on 4,500W & lower)



PTFE sleeved 304 stainless steel



cULus  
CE (except 600 Volts)

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

**PROCESS  
TECHNOLOGY**

ISO 9001:2015  
WITH DESIGN CERTIFIED

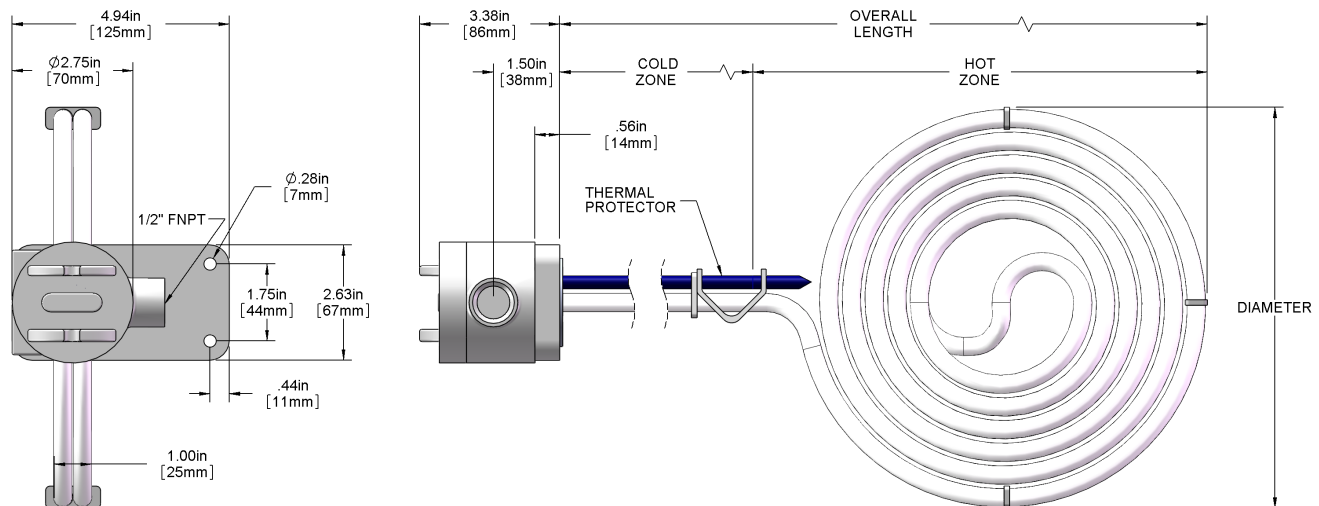
## Features & Values

- Inert to most aqueous acid, alkaline, anodizing, & pickling solutions up to 100°C (212°F)
- Rugged, heavy wall PTFE covered stainless steel element reduces permeation. Guaranteed 100% pinhole free
- Space saving & long service life with low Watt density design of 10 W/in<sup>2</sup> (1.5 W/cm<sup>2</sup>)
- Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit
- Lower Watt densities available for highly viscous solutions & technical acids
- Optional patented purge feature promotes longer heater life

## Specifications

<b>Wattages</b>	500 to 6,000 Watts
<b>Voltages</b>	120 to 600 Volts (600V on 4,500W or lower only)
<b>Temperature Range</b>	Up to 100°C (212°F)
<b>Safety Features</b>	<ul style="list-style-type: none"> <li>▫ Grounded internal metal element</li> <li>▫ Built-in thermal protector. Replaceable P1 protector standard for up to 82°C (180°F). Other options available</li> <li>▫ Non-floating construction</li> </ul>
<b>Certifications</b>	cULus listed CE compliant (except 600V)

## Dimensions



## Model Number Breakdown

Series	Wattage	Voltage	Diameter (in.)	Overall Length	Type of Protector	Wire & Conduit Length
HXF = PTFE	.5 = 500	1 = 120	05 = .5kW	14 = .5kW	<b>Replaceable Fuse (Type-J TC)</b>	36" length standard (no designator)
	1 = 1000	2 = 240	06 = 1kW	14 = 1kW	P1 (std) = solutions up to 190°F	Specify variations from standard Ex: -X84 = 84"
	2 = 2000	3 = 380	08 = 2kW	17 = 2kW	P4 = solutions 190°F to 220°F	
	3 = 3000	4 = 480	09 = 3kW	23 = 3kW	<b>Resettable Fuse (Type-J TC)</b>	
	4 = 4000	5 = 415	11 = 4kW	29 = 4kW	P2 = solutions up to 190°F	
	5 = 5000	6 = 600	12 = 5kW	35 = 5kW	P8 = solutions up to 210°F	
	6 = 6000	7 = 400	13 = 6kW	40 = 6kW	P3 = solutions up to 250°F	
		8 = 208		Specify custom lengths		
		9 = 220				
		0 = 200				

