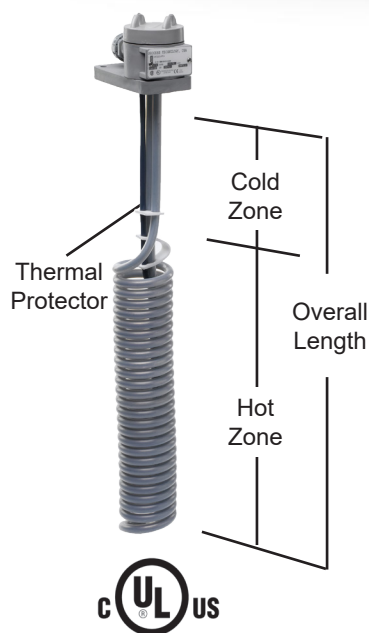




HX SERIES, SPIRAL FLUOROPOLYMER (PTFE) HEATERS						
WATTS	VOLTS	HOT ZONE In./(mm)	OVERALL LENGTH In./(mm)	MAX. COLD ZONE In./(mm)	MODEL NUMBER	SHIP WGT. Lbs./(kg)
500	120	5	11	41	HX.5111-**	6
	240	(127)	(279)	(1041)	HX.5211-**	(2.7)
1000	120	7	11	41	HX1111-**	7
	240	(178)	(279)	(1041)	HX1211-**	(3.2)
2000	120	12	17	40	HX2117-**	8
	240	(305)	(432)	(1016)	HX2217-**	(3.6)
	480				HX2417-**	
3000	240	16	23	40	HX3223-**	13
	480	(406)	(584)	(1016)	HX3423-**	(5.9)
4000	240	20	29	40	HX4229-**	15
	480	(508)	(737)	(1016)	HX4429-**	(6.8)
5000	240	25	35	36	HX5235-**	18
	480	(635)	(889)	(914)	HX5435-**	(8.2)
6000	240	29	40	30	HX6240-**	21
	480	(737)	(1016)	(762)	HX6440-**	(9.5)
8000	240	37	47	32	2HX8247-**	25
	480	(940)	(1194)	(813)	2HX8447-**	(11.3)
9000	240	44	54	35	2HX9254-**	28
	480	(1118)	(1372)	(889)	2HX9454-**	(12.7)

SINGLE PHASE ONLY. Guards recommended.

HX Series, Spiral 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).

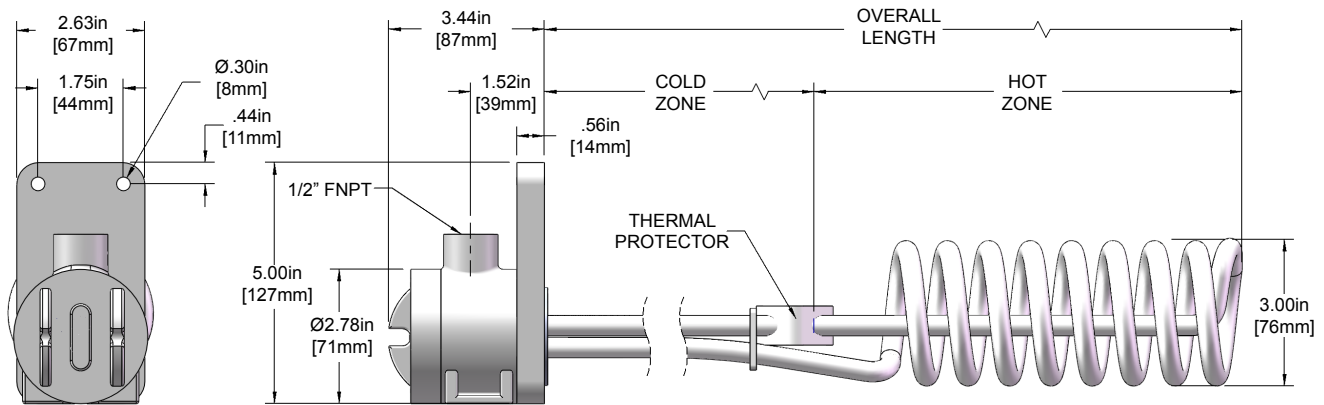
SIZES: 500 watts to 9,000 watts.

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



SPIRAL OVER THE SIDE FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Overall Length	Type of Protector	Wire and Conduit Length														
	.5 = 500	1 = 120	11 = .5kW		36" length standard (no designator). Specify variations from standard Ex: -X84 = 84"														
	1 = 1000	2 = 240	11 = 1kW																
	2 = 2000	3 = 380	17 = 2kW																
	3 = 3000	4 = 480	23 = 3kW																
	4 = 4000	5 = 415	29 = 4kW																
	5 = 5000	6 = 600	35 = 5kW																
	6 = 6000	7 = 400	40 = 6kW																
	8 = 8000	8 = 208	47 = 8kW																
	9 = 9000	9 = 220	54 = 9kW																
		0 = 200	Specify custom lengths, not to exceed tank depth.																
					<table><tr><th colspan="2">Replaceable Protector</th></tr><tr><td>P1</td><td>For solutions up to 190°F</td></tr><tr><th colspan="2">Resettable Protector</th></tr><tr><td colspan="2">(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></table>	Replaceable Protector		P1	For solutions up to 190°F	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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P8	For solutions up to 210°F																		
P3	For solutions up to 250°F																		
HX = PTFE sheathed 2HX = 2 element PTFE sheathed HS = 304 Stainless Steel 2HS = 2 element 304 stainless steel																			

ORDERING EXAMPLE:

HX5435-P1-X60

Spiral over the side fluoropolymer heater, 5000 watts, 480 volt, single phase, 35" overall length, P1 thermal protector, 60" wire and conduit.

