

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)
	480					
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)
	480					
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 and reduces the need for gas purge systems. 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).

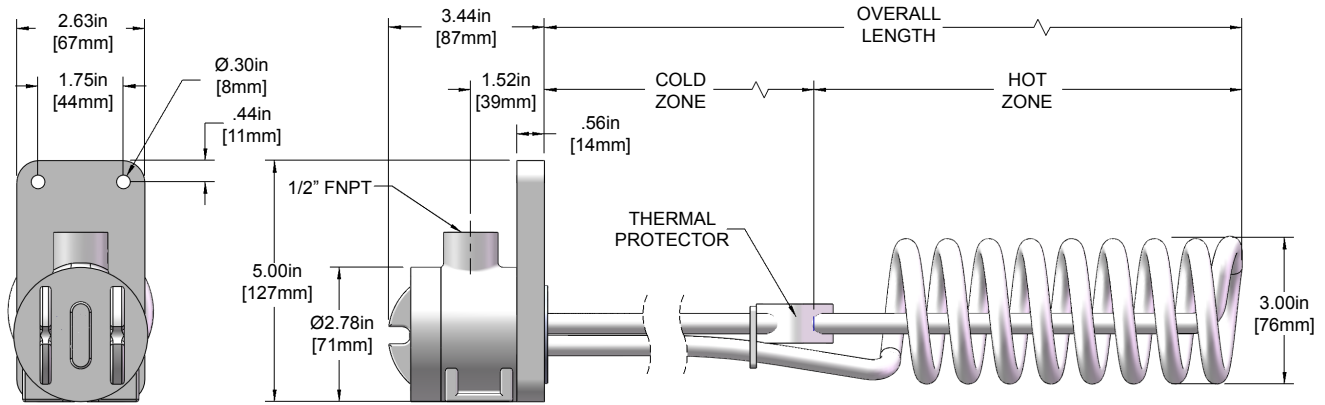
SIZES: 500 watts to 9,000 watts.

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)

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 = 1000 2 = 2000 3 = 3000 4 = 4000 5 = 5000 6 = 6000 8 = 8000 9 = 9000	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 6 = 600 7 = 400 8 = 208 9 = 220 0 = 200	11 = .5kW 11 = 1kW 17 = 2kW 23 = 3kW 29 = 4kW 35 = 5kW 40 = 6kW 47 = 8kW 54 = 9kW Specify custom lengths, not to exceed tank depth.		36" length standard (no designator). Specify variations from standard Ex: -X84 = 84"
				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

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.

