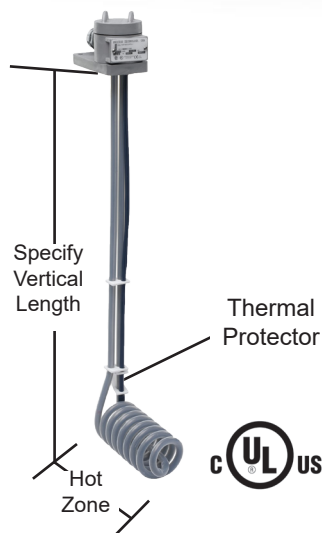




HXL SERIES, SPIRAL L-SHAPED FLUOROPOLYMER (PTFE) HEATERS						
WATTS	VOLTS	HOT ZONE In./(mm)	STD. VERT. LENGTH* In./(mm)	MAX. COLD ZONE In./(mm)	MODEL NUMBER	SHIP WGT. Lbs./(kg)
500	120	6	12	41	HXL5106-R*-**	6
	240	(152)	(305)	(1041)	HXL5206-R*-**	(2.7)
1000	120	8	12	41	HXL1108-R*-**	7
	240	(203)	(305)	(1041)	HXL1208-R*-**	(3.2)
2000	120	12	18	40	HXL2112-R*-**	8
	240	(305)	(457)	(1016)	HXL2212-R*-**	(3.6)
	480				HXL2412-R*-**	
3000	240	17	18	40	HXL3217-R*-**	13
	480	(432)	(457)	(1016)	HXL3417-R*-**	(5.9)
4000	240	20	18	40	HXL4220-R*-**	15
	480	(508)	(457)	(1016)	HXL4420-R*-**	(6.8)
5000	240	24	18	36	HXL5224-R*-**	18
	480	(610)	(457)	(914)	HXL5424-R*-**	(8.2)
6000	240	29	18	30	HXL6229-R*-**	21
	480	(737)	(457)	(762)	HXL6429-R*-**	(9.5)
8000	240	37	18	32	2HXL8237-R*-**	26
	480	(940)	(457)	(813)	2HXL8437-R*-**	(11.8)
9000	240	44	18	35	2HXL9244-R*-**	29
	480	(1118)	(457)	(889)	2HXL9444-R*-**	(13.2)

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

HXL 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 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).

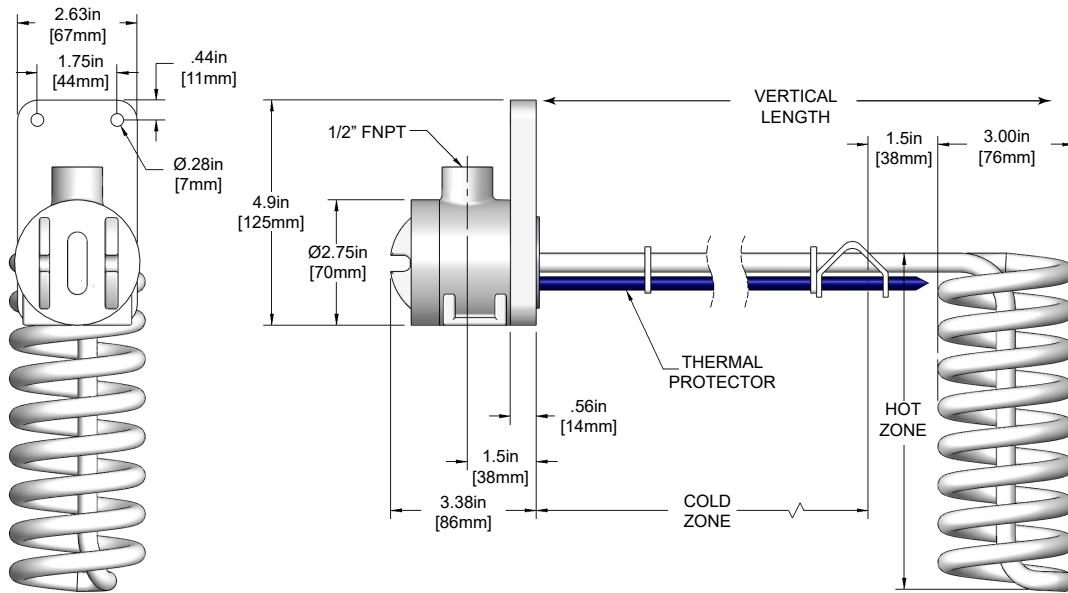
SIZES: 500 watts to 9,000 watts.

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 L-SHAPED FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Horizontal Length	Vertical Length	Type of Protector	Wire and Conduit Length								
	.5 = 500	1 = 120	06 = .5kW	-R12 = .5kW		no designator = 36" conduit length standard Specify variations from standard Ex: -X84 = 84"								
	1 = 1000	2 = 240	08 = 1kW	-R12 = 1kW										
	2 = 2000	3 = 380	12 = 2kW	-R18 = 2W										
	3 = 3000	4 = 480	17 = 3kW	-R18 = 3kW										
	4 = 4000	5 = 415	20 = 4kW	-R18 = 4kW										
	5 = 5000	6 = 600	24 = 5kW	-R18 = 5kW										
	6 = 6000	7 = 400	29 = 6kW	-R18 = 6kW										
	8 = 8000	8 = 208	37 = 8kW	-R18 = 8kW										
	9 = 9000	9 = 220	44 = 9kW	-R18 = 9kW										
		0 = 200		Specify custom lengths, not to exceed tank length										
HXL = PTFE sheathed 2HXL = 2 element PTFE sheathed HSL = 304 stainless steel 2HSL = 2 element 304 stainless steel					Replaceable Protector <table><tr><td>P1</td><td>For solutions up to 190°F</td></tr></table> Resettable Protector (additional control components required) <table><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>		P1	For solutions up to 190°F	P2	For solutions up to 190°F	P8	For solutions up to 210°F	P3	For solutions up to 250°F
P1	For solutions up to 190°F													
P2	For solutions up to 190°F													
P8	For solutions up to 210°F													
P3	For solutions up to 250°F													

ORDERING EXAMPLE:

HXL3417-R24-P1

Spiral L fluoropolymer heater, 3000 watts, 480 volt, single phase, 17" horizontal, 24" riser, P1 thermal protector.

