

HXL SERIES, SPIRAL L-SHAPED FLUOROPOLYMER (PTFE) HEATERS						
WATTS	VOLTS	HOT ZONE	STD. VERT. LENGTH*	MAX. COLD ZONE	MODEL NUMBER	SHIP WGT. Lbs./kg
		In./mm	In./mm	In./mm		
500	120	6	12	41	HXL5106-R*-**	6
	240	(155)	(305)	(1040)	HXL5206-R*-**	(2.5)
1000	120	8	12	41	HXL1108-R*-**	7
	240	(205)	(305)	(1040)	HXL1208-R*-**	(3.5)
2000	120	12	18	40	HXL2112-R*-**	8
	240	(305)	(460)	(1015)	HXL2212-R*-**	(4)
	480				HXL2412-R*-**	
3000	240	17	18	40	HXL3217-R*-**	13
	480	(430)	(460)	(1015)	HXL3417-R*-**	(6)
4000	240	20	18	40	HXL4220-R*-**	15
	480	(510)	(460)	(1015)	HXL4420-R*-**	(7)
5000	240	24	18	36	HXL5224-R*-**	18
	480	(610)	(460)	(915)	HXL5424-R*-**	(8)
6000	240	29	18	30	HXL6229-R*-**	21
	480	(735)	(460)	(760)	HXL6429-R*-**	(10)
8000	240	37	18	32	2HXL8237-R*-**	26
	480	(940)	(460)	(810)	2HXL8437-R*-**	(12)
9000	240	44	18	35	2HXL9244-R*-**	29
	480	(1120)	(460)	(890)	2HXL9444-R*-**	(13)

Single phase only. This configuration is not recommended for electroless chemistry or applications prone to sludge buildup.

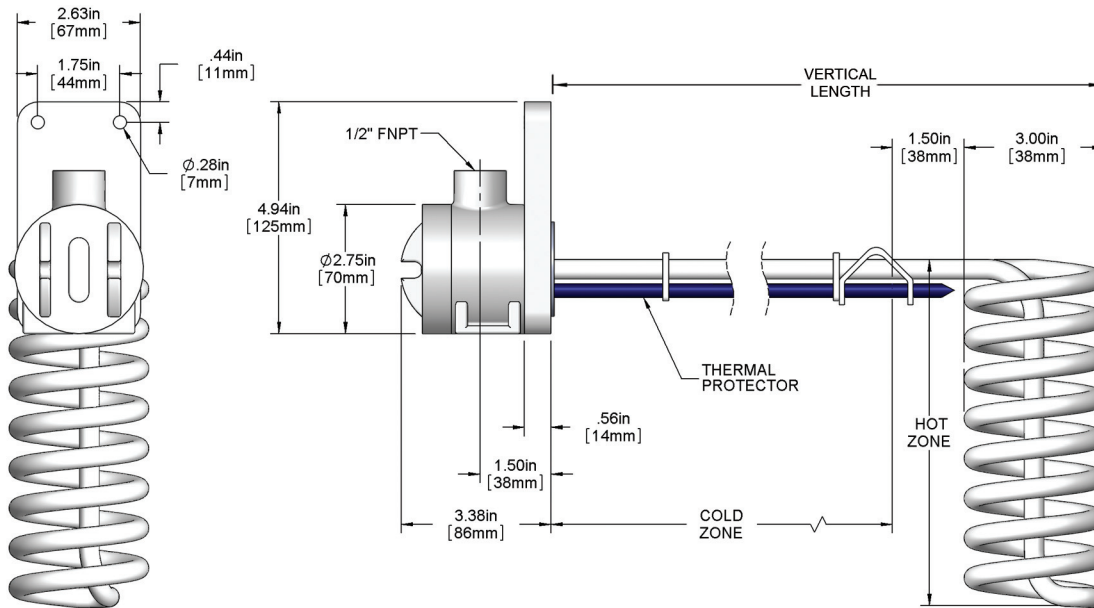
Product Features and Benefits:

- ◆ **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.
- ◆ **EVEN HEATING:** Bottom design for even heating and varying liquid levels.
- ◆ **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 (1-6 kW), CSA, and CE.
- ◆ **SIZES:** 500 watts to 9,000 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.

Your Distributor:

80 Metcalfe Street • Buffalo, NY 14206 U.S.A. • **US/CN: 800-777-2436** • 716-856-2300 • Fax: 716-856-7115
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DIMENSIONS (up to 6 kW)



SINGLE ELEMENT SPIRAL L-SHAPED FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Hot Zone (in.)	Vertical Length (in.)	Type of Fuse	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	06 = .5kW 08 = 1kW 12 = 2kW 17 = 3kW 20 = 4kW 24 = 5kW 29 = 6kW 37 = 8kW 44 = 9kW specify custom lengths, not to exceed tank length	-R12 = .5kW -R12 = 1kW -R18 = 2kW -R18 = 3kW -R18 = 4kW -R18 = 5kW -R18 = 6kW -R18 = 8kW -R18 = 9kW specify custom lengths, not to exceed tank depth	36" length standard (no designator) specify variations from standard Ex: -X84 = 84"	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				
					HXL = PTFE 2HXL = 2 element PTFE sheathed HSL = 304 stainless steel 2HSL = 2 element 304 stainless steel					

1 inch = 25.4mm

ORDERING EXAMPLE:

HXL5424-R18-P1-X50

Spiral L-shaped fluoropolymer heater, 5000 watts, 480 volt, single phase, 24" hot zone, 18" vertical length, P1 thermal fuse, 50" wire and conduit

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