

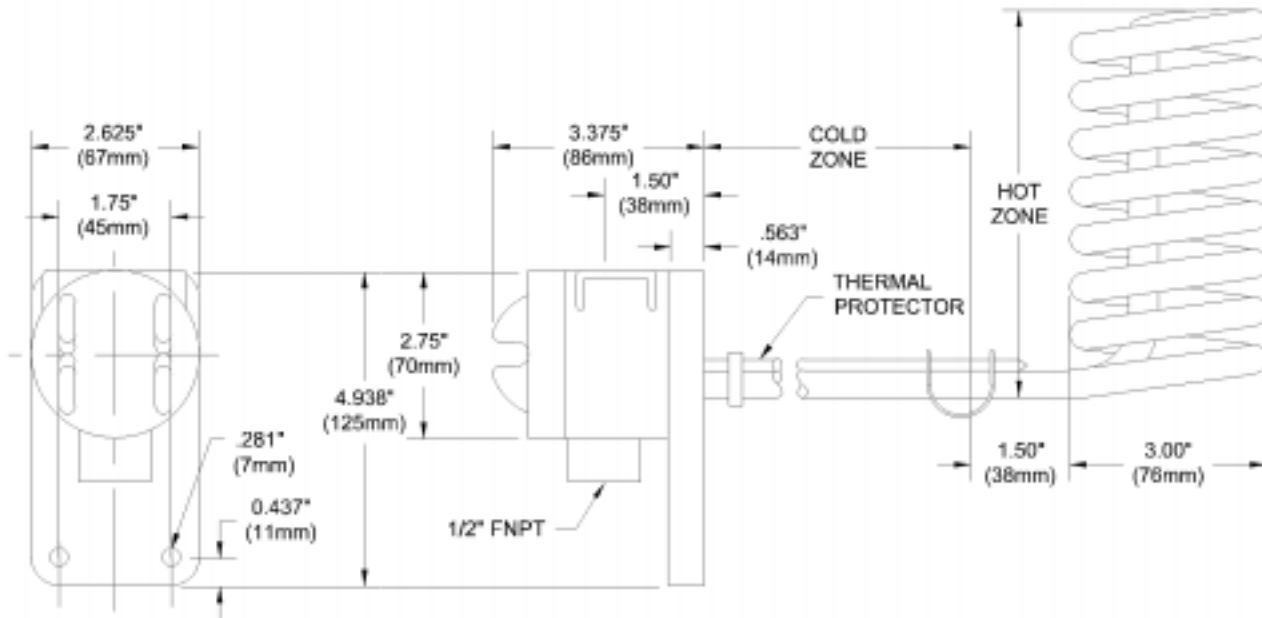
HXL SERIES, SPIRAL L-SHAPED FLUOROPOLYMER (PTFE) HEATERS						
WATTS	VOLTS	HOT	STD. VERT.	MAX.	MODEL NUMBER	SHIP WGT. Lbs./ (kg)
		ZONE In./ (mm)	LENGTH* In./ (mm)	COLD ZONE In./ (mm)		
500	120	6	12	41	HXL5106-R*-**	6
	240	(155)	(305)	(1040)	HXL5206-R*-**	(2.5)
1000	120	8	12	41	HXL1108-R*-**	7
	240	(205)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

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 PTL-I 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 and other voltages available. Single phase only.
- ◆ **OPTIONS AVAILABLE** (consult factory):
 - Replaceable thermal protectors:
 - PTL-IM: for solutions from 190°F (88°C) to 220°F (104°C).
 - Resettable thermal protectors:
 - PTL-II: bi-metal switch for solutions up to 190°F (88°C).
 - PTL-III: type-J thermocouple for solutions from 190°F (88°C) to 210°F (99°C).
 - PIII: 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).
 - Fluoropolymer (PTFE) guards: recommended for chromic acid or solutions over 180°F (82°C).
 - Special configurations.
 - Longer wire and conduit lengths.
 - Flexible continuous fluoropolymer leads (PIII protector only).
 - Lower watt densities for highly viscous solutions and technical acids.
 - Temperature and level controls sized to match the heater.

DIMENSIONS (up to 6 kW)



SPIRAL L-SHAPED FLUOROPOLYMER (PTFE) HEATER

Series	Wattage	Voltage	Horizontal Length	Options	Vertical Length	Guard Option	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 4 = 480 -208- = 208 -277- = 277 -380- = 380 -415- = 415 -600- = 600	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 = 2W -R18 = 3kW -R18 = 4kW -R18 = 5kW -R18 = 6kW -R18 = 8kW -R18 = 9kW specify custom lengths, not to exceed tank length			no designator = 36" length standard specify variations from standard Ex: -X84 = 84"
	HXL = PTFE sheathed 2HXL = 2 element PTFE sheathed HSL = 304 stainless steel 2HSL = 2 element 304 stainless steel						Replaceable Fuse -PTL-I (std) for solutions up to 190°F -PTL-IM for 190° - 220°F solutions Resettable Fuse (additional control components required) -PTL-II for solutions up to 190°F -PTL-III for 190° - 210°F solutions -PIII for 210° - 250°F solutions	
								C = complete with guard
				X = any special configuration not called out in the part number (specify in clear text)				

ORDERING EXAMPLE:

HXL5424-R18-PTL-I-X50

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

**PROCESS
TECHNOLOGY**