

# HXL Series

## PRODUCT DATA SHEET

### Fluoropolymer Heater

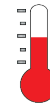
**Excellent chemical resistance to aggressive acids!**

Inert to most solutions

Low Watt density design saves space & ensures long life

Corrosion-resistant head

Built-in thermal protector & grounded element



Up to 100°C (212°F)



500 to 9,000 Watts



120 to 600 Volts  
(600V on 4,500W & lower)



PTFE sleeved 304 stainless steel



cULus  
CE (except 600 Volts)

HXL SERIES, SPIRAL L-SHAPED 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	6	12	41	HXL.5106-R*.**	6
	240	(152)	(305)	(1041)	HXL.5206-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.

**PROCESS  
TECHNOLOGY**

ISO 9001:2015  
WITH DESIGN CERTIFIED

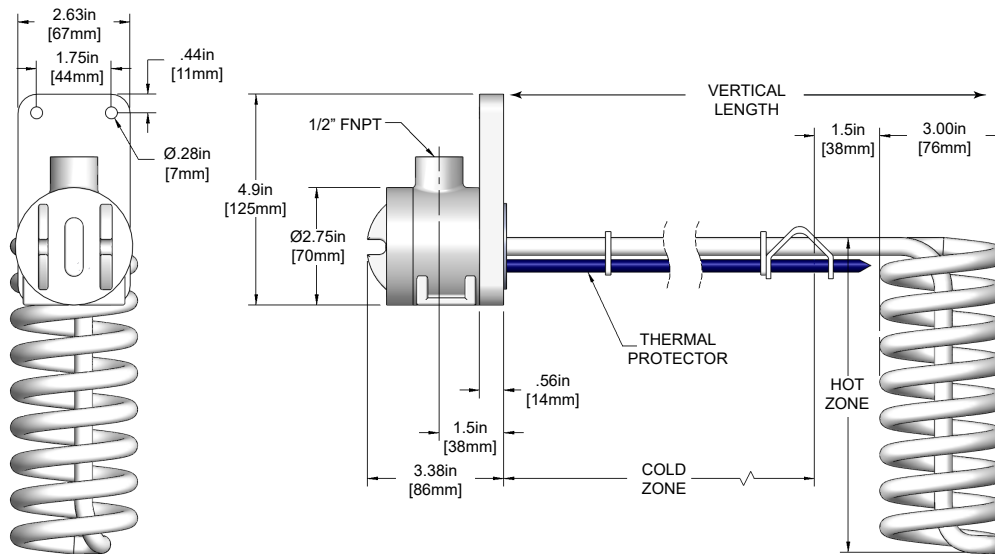
## Features & Values

- Inert to most aqueous acid, alkaline, anodizing, & pickling solutions up to 100°C (212°F)
- Rugged, heavy wall PTFE covered stainless steel element reduces permeation. Guaranteed 100% pinhole free
- Space saving & long service life with low Watt density design of 10 W/in<sup>2</sup> (1.5 W/cm<sup>2</sup>)
- Vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit
- Lower Watt densities available for highly viscous solutions & technical acids

## Specifications

<b>Wattages</b>	500 to 9,000 Watts
<b>Voltages</b>	120 to 600 Volts (600V on 4,500W or lower only)
<b>Temperature Range</b>	Up to 100°C (212°F)
<b>Safety Features</b>	<ul style="list-style-type: none"> <li>▫ Grounded internal metal element</li> <li>▫ Built-in thermal protector. Replaceable P1 protector standard for up to 82°C (180°F). Other options available</li> <li>▫ Non-floating construction</li> </ul>
<b>Certifications</b>	cULus listed CE compliant (except 600V)

## Dimensions



## Model Number Breakdown

Series	Wattage	Voltage	Diameter (in.)	Vertical Length (in.)	Type of Protector	Wire & Conduit Length
HXL = 1 element	.5 = 500	1 = 120	06 = .5kW	R12 = .5kW	<b>Replaceable Fuse (Type-J TC)</b>	36" length standard (no designator)
2HXL = 2 element	1 = 1000	2 = 240	08 = 1kW	R12 = 1kW	P1 (std) = solutions up to 190°F	Specify variations from standard Ex: -X84 = 84"
	2 = 2000	3 = 380	12 = 2kW	R18 = 2kW	<b>Resettable Fuse (Type-J TC)</b>	
	3 = 3000	4 = 480	17 = 3kW	R18 = 3kW	P2 = solutions up to 190°F	
	4 = 4000	5 = 415	20 = 4kW	R18 = 4kW	P8 = solutions up to 210°F	
	5 = 5000	6 = 600	24 = 5kW	R18 = 5kW	P3 = solutions up to 250°F	
	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		

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