

# HXRL Series

## Fluoropolymer Heater

### PRODUCT DATA SHEET

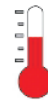
**Excellent chemical resistance to aggressive acids!**

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)



1000 to 6,000 Watts



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



PTFE sleeved 304 stainless steel



CE (except 600 Volts)

HXRL SERIES, FLEX RISER FLUOROPOLYMER (PTFE) HEATERS											
WATTS	VOLTS	WIDTH in/mm	LENGTH in/mm	MODEL NUMBER	SHIP WGT. lbs/kg	WATTS	VOLTS	WIDTH in/mm	LENGTH in/mm	MODEL NUMBER	SHIP WGT. lbs/kg
1000	120	4	19	HXR.L1104-19L**	6	3000	240	18	13	HXR.L3218-13L**	12
	240	(10.2)	(483)	HXR.L1204-19L**	(2.7)		480	(45.7)	(330)	HXR.L3418-13L**	(5.4)
1000	120	6	13	HXR.L1106-13L**	6	4000	240	12	25	HXR.L4212-25L**	14
	240	(15.2)	(330)	HXR.L1206-13L**	(2.7)		480	(30.5)	(635)	HXR.L4412-25L**	(6.4)
1000	120	8	10	HXR.L1108-10L**	6	4000	240	14	22	HXR.L4214-22L**	14
	240	(20.3)	(254)	HXR.L1208-10L**	(2.7)		480	(35.6)	(559)	HXR.L4414-22L**	(6.4)
2000	120	6	25	HXR.L2106-25L**	7	4000	240	16	19	HXR.L4216-19L**	14
	240	(15.2)	(635)	HXR.L2206-25L**	(3.2)		480	(40.6)	(483)	HXR.L4416-19L**	(6.4)
	480			HXR.L2406-25L**		4000	240	18	17	HXR.L4218-17L**	14
2000	120	8	19	HXR.L2108-19L**	7		480	(45.7)	(432)	HXR.L4418-17L**	(6.4)
	240	(20.3)	(483)	HXR.L2208-19L**	(3.2)	4000	240	20	15	HXR.L4220-15L**	14
	480			HXR.L2408-19L**			480	(50.8)	(381)	HXR.L4420-15L**	(6.4)
2000	120	10	15	HXR.L2110-15L**	7	5000	240	12	31	HXR.L5212-31L**	17
	240	(25.4)	(381)	HXR.L2210-15L**	(3.2)		480	(30.5)	(787)	HXR.L5412-31L**	(7.7)
	480			HXR.L2410-15L**		5000	240	14	27	HXR.L5214-27L**	17
2000	120	12	13	HXR.L2112-13L**	7		480	(35.6)	(686)	HXR.L5414-27L**	(7.7)
	240	(30.5)	(330)	HXR.L2212-13L**	(3.2)	5000	240	16	23	HXR.L5216-23L**	17
	480			HXR.L2412-13L**			480	(40.6)	(584)	HXR.L5416-23L**	(7.7)
2000	120	14	11	HXR.L2114-11L**	7	5000	240	18	21	HXR.L5218-21L**	17
	240	(35.6)	(279)	HXR.L2214-11L**	(3.2)		480	(45.7)	(533)	HXR.L5418-21L**	(7.7)
	480			HXR.L2414-11L**		6000	240	12	36	HXR.L6212-36L**	20
3000	240	10	23	HXR.L3210-23L**	12		480	(30.5)	(914)	HXR.L6412-36L**	(9.1)
	480	(25.4)	(584)	HXR.L3410-23L**	(5.4)	6000	240	14	30	HXR.L6214-30L**	20
3000	240	12	19	HXR.L3212-19L**	12		480	(35.6)	(762)	HXR.L6414-30L**	(9.1)
	480	(30.5)	(483)	HXR.L3412-19L**	(5.4)	6000	240	16	26	HXR.L6216-26L**	20
3000	240	14	16	HXR.L3214-16L**	12		480	(40.6)	(680)	HXR.L6416-26L**	(9.1)
	480	(35.6)	(406)	HXR.L3414-16L**	(5.4)	6000	240	20	21	HXR.L6220-21L**	20
3000	240	16	14	HXR.L3216-14L**	12		480	(50.8)	(533)	HXR.L6420-21L**	(9.1)
	480	(40.6)	(356)	HXR.L3416-14L**	(5.4)						

Other dimensional configurations available, consult factory. Single phase only. Fluoropolymer guards standard. Risers pictured in left position, right position available

## 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>)
- Flexible riser with 4 ft. (1.2m) of continuous PTFE cable leading to vapor-resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit
- Optional patented purge feature promotes a longer heater life by reducing chemical permeation
- Lower Watt densities available for highly viscous solutions & technical acids

## Specifications

**Wattages** 1,000 to 6,000 Watts

**Voltages** 120 to 600 Volts  
(600V on 4,500W or lower only)  
Single phase only.

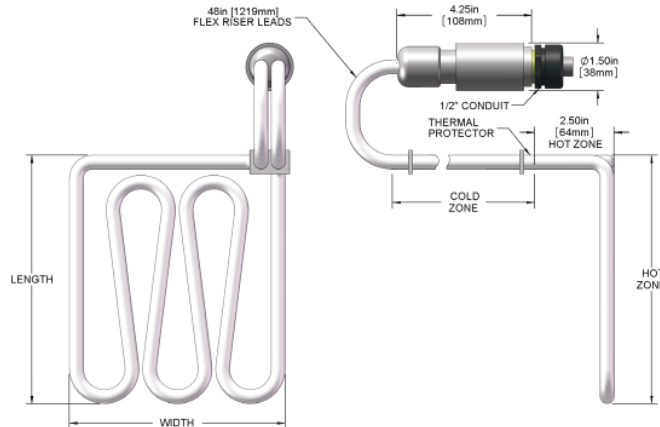
**Temperature Range** Up to 100°C (212°F)

**Safety Features**

- Grounded internal metal element
- Built-in thermal protector. Resettable P3 protector standard for up to 121°C (250°F). Other options available
- Non-floating construction

**Certifications** CE compliant (except 600V)

## Dimensions



## Model Number Breakdown

Series	Wattage	Voltage	Width	Length	Riser Location	Riser Option	Type of Protector	Wire & Conduit Length
HXRL = PTFE	1 = 1000	1 = 120	Specify in inches	Specify in inches	L = left front corner R = right front corner	FR = flex riser length, specify length in inches Ex: FR48 = 48" R = rigid riser length	<b>Thermal Protector (flex riser)</b> Resettable Fuse P3 = solutions up to 250°F (121°C)	36" length standard (no designator) Specify variations from standard Ex: -X84 = 84"
	2 = 2000	2 = 240					<b>Thermal Protector (rigid riser)</b> Replaceable Fuse P1 (std) = solutions up to 190°F P4 = solutions up to 220°F	
	3 = 3000	3 = 380					Resettable Fuse P2 = solutions up to 190°F P8 = 190° to 210°F P3 = 210° to 250°F	
	4 = 4000	4 = 480						
	5 = 5000	5 = 415						
	6 = 6000	6 = 600						
		7 = 400						
		8 = 208						
		9 = 220						
		0 = 200						