

# 9HX Series

## PRODUCT DATA SHEET

### Fluoropolymer Heater

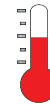
**Excellent chemical resistance to aggressive acids!**

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)



3,000 to 18,000 Watts



120 to 600 Volts



PTFE sleeved 304 stainless steel



cULus  
CE (except 600 Volts)

9HX SERIES, NINE ELEMENT FLUOROPOLYMER (PTFE) HEATERS					
WATTS	VOLTS	HOT ZONE	OVERALL LENGTH	MODEL NUMBER	SHIP WGT. lbs/(kg)
		in/(mm)	in/(mm)		
3000	240	9	17	9HX3217-**	28
	480	(229)	(432)	9HX3417-**	(12.7)
4500	240	15	23	9HX4.5223-**	33
	480	(381)	(584)	9HX4.5423-**	(15)
6000	240	21	29	9HX6229-**	36
	480	(553)	(737)	9HX6429-**	(16.3)
9000	240	28	35	9HX9235-**	40
	480	(711)	(889)	9HX9435-**	(18.1)
12000	240	38	47	9HX12247-**	49
	480	(965)	(1194)	9HX12447-**	(22.2)
15000	240	47	59	9HX15259-**	60
	480	(1194)	(1499)	9HX15459-**	(27.2)
18000	240	55	68	9HX18268-**	67
	480	(1397)	(1727)	9HX18468-**	(30.4)

Three-phase standard. Single phase available. Add "-1" before thermal protector designator.

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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

**Wattages** 3,000 to 18,000 Watts

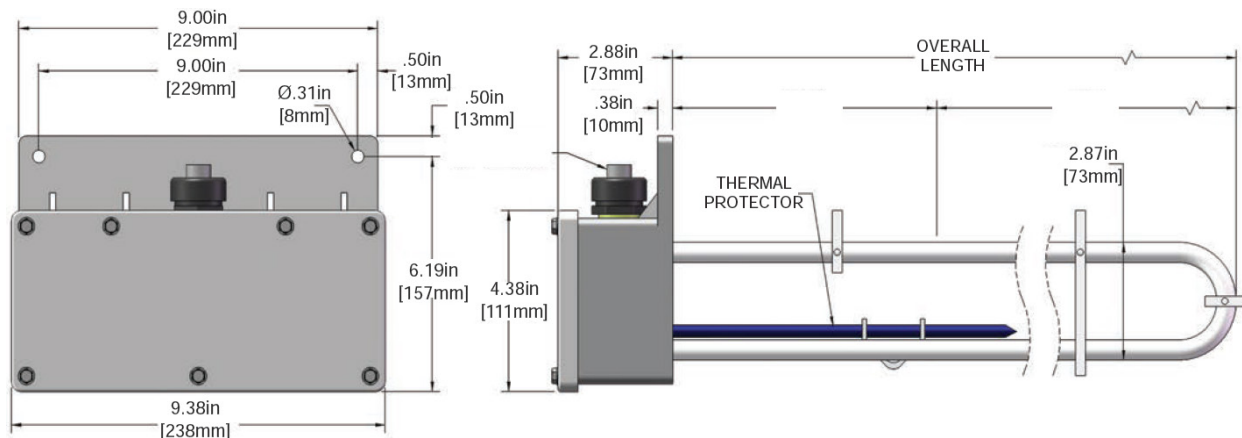
**Voltages** 120 to 600 Volts

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

- Safety Features**
- Grounded internal metal element
  - Built-in thermal protector. Replaceable P1 protector standard for up to 82°C (180°F). Other options available
  - Non-floating construction

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

## Dimensions



## Model Number Breakdown

Series	Wattage	Voltage	Overall Length	Phase	Type of Protector	Wire & Conduit Length
9HX = PTFE	3 = 3000	1 = 120	17 = 3kW	No Designator = 3-phase (std.)	Replaceable Fuse (Type-J TC)	36" length standard (no designator)
	4.5 = 4500	2 = 240	23 = 4.5kW	1 = Single phase	P1 (std) = solutions up to 190°F	Specify variations from standard Ex: -X84 = 84"
	6 = 6000	3 = 380	29 = 6kW		Resettable Fuse (Type-J TC)	
	9 = 9000	4 = 480	35 = 9kW		P2 = solutions up to 190°F	
	12 = 12000	5 = 415	47 = 12kW		P8 = solutions up to 210°F	
	15 = 15000	6 = 600	59 = 15kW		P3 = solutions up to 250°F	
	18 = 18000	7 = 400	68 = 18kW			
		8 = 208				
		9 = 220				
		0 = 200				

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