

9HX SERIES, NINE ELEMENT FLUOROPOLYMER (PTFE) HEATERS					
WATTS	VOLTS	HOT ZONE In./(mm)	OVERALL LENGTH In./(mm)	MODEL NUMBER	SHIP WGT. Lbs./(kg)
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	(533)	(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 phases standard. Single phase available as option. Add "-1" before thermal protector designator.



## 9HX Series, Heater 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. Guaranteed 100% pinhole free.

### OUTSTANDING PERFORMANCE:

- ◆ Low watt density design 10 watts/square inch (1.5w/cm<sup>2</sup>) uses minimal space and ensure long service life.

### CORROSION RESISTANT HEAD:

- ◆ Vapor resistant, flame retardant polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

### SAFETY FEATURES:

- ◆ Grounded internal metal element.
- ◆ Thermal protector built in. Replaceable P1 protector standard for solutions up to 180°F(82°C).
- ◆ Non-floating construction.

**CERTIFICATIONS:** cULus listed and CE compliant (except 600 volts).

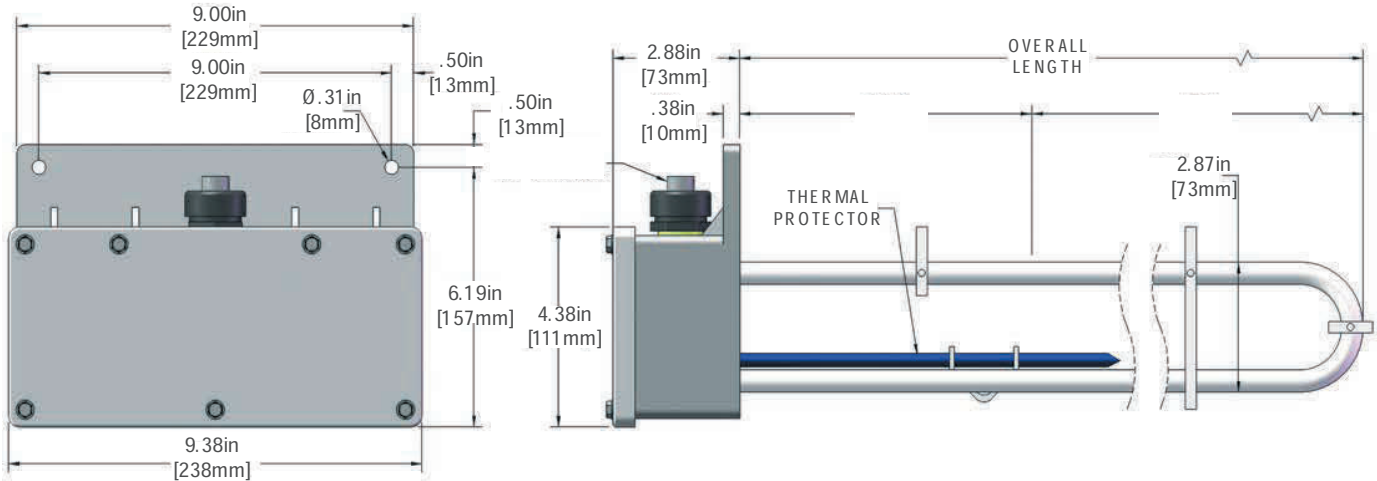
**SIZES:** 3,000 watts to 18,000 watts.

**VOLTAGES:** 120 to 600 volts.

### OPTIONS AVAILABLE (consult factory):

- ◆ Resettable thermal protectors:
  - P2: For solutions up to 180°F(82°C)
  - P8: Type-J thermocouple for solutions up to 210°F(99°C).
  - P3: Type-J thermocouple for solutions up to 250°F(121°C).
- ◆ 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 and lengths.
- ◆ Longer wire and conduit lengths.
- ◆ Lower watt densities for highly viscous solutions and technical acids.
- ◆ Temperature and level controls sized to match the heater. (sold separately)

## DIMENSIONS



## NINE ELEMENT FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Overall Length	Options	Type of Protector	Wire and Conduit Length
	3 = 3000 4.5 = 4500 6 = 6000 9 = 9000 12 = 12000 15 = 15000 18 = 18000	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 6 = 600 7 = 400 8 = 208 9 = 220 0 = 200	17 = 3kW 23 = 4.5kW 29 = 6kW 35 = 9kW 47 = 12kW 59 = 15kW 68 = 18kW			no designator = 36" length standard specify variations from standard Ex: -X84 = 84" wire and conduit
	9HX = PTFE 9HF = 304 stainless steel				<b>Replaceable Protector</b>	
					P1	For solutions up to 180°F
					<b>Resettable Protector</b>	
					(additional control components required)	
					P2	For solutions up to 180°F
					P8	For solutions up to 210°F
					P3	For solutions up to 250°F
	no designator = three phase power (standard) -1 = single phase power					

### ORDERING EXAMPLE:

9HX6229-P2

9 element, fluoropolymer, 6,000 watts, 240 volt, 29" overall length, P2 protector.

