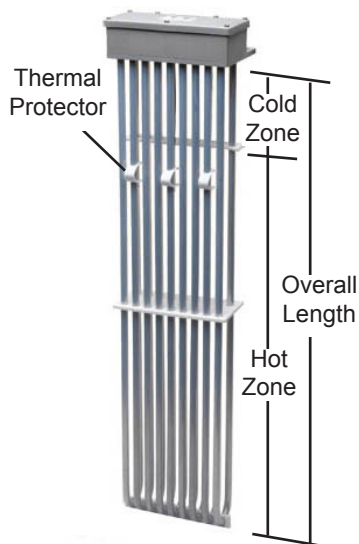




HEATERS



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/cm²) 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).

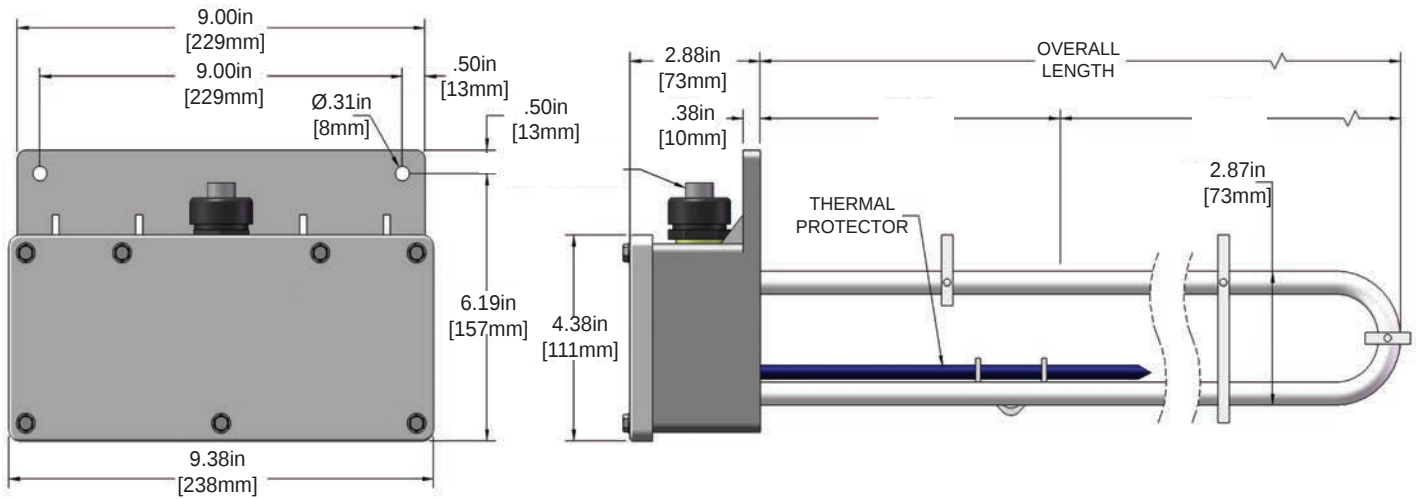
SIZES: 3,000 watts to 18,000 watts.

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 9HX = PTFE 9HF = 304 stainless steel no designator = three phase power (standard) -1 = single phase power	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	Replaceable Protector P1 For solutions up to 180°F Resettable Protector (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	

ORDERING EXAMPLE:

9HX6229-P2

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

