

# 3HXO Series

## PRODUCT DATA SHEET

### Fluoropolymer Heater

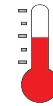
**Excellent chemical resistance to aggressive acids!**

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)



1,500 to 18,000 Watts



120 to 600 Volts  
(600V on 12,000W or lower only)



PTFE sleeved 304 stainless steel



cULus  
CE (except 600 Volts)

3HXO SERIES, MULTI ELEMENT FLUOROPOLYMER (PTFE) HEATERS							
WATTS	VOLTS	WIDTH in/(mm)	HEATER PAD LENGTH in/(mm)	OVERALL LENGTH in/(mm)	MAX. COLD ZONE in/(mm)	MODEL NUMBER	SHIP WGT. lbs/(kg)
1500	120	10.5	6	11	36	3HXO1.5110.5-06-11-*	15
	240	(263)	(152)	(279)	(915)	3HXO1.5210.5-06-11-*	(6.8)
3000	240	10.5	6	11	36	3HXO3210.5-06-11.**	20
	480	(263)	(152)	(279)	(915)	3HXO3410.5-06-11.**	(9.1)
4500	240	10.5	9.5	17	35	3HXO4.5210.9-5-17.**	21
	480	(263)	(241)	(432)	(890)	3HXO4.5410.9-5-17.**	(9.5)
6000	240	13	10.5	17	35	3HXO6212-10.5-17.**	22
	480	(330)	(267)	(432)	(890)	3HXO6412-10.5-17.**	(10)
9000	240	13	16	23	35	3HXO9212-16-23.**	36
	480	(330)	(406)	(584)	(890)	3HXO9412-16-23.**	(16.3)
12000	240	13	20.5	29	35	3HXO12212-20.5-29.**	42
	480	(330)	(521)	(737)	(890)	3HXO12412-20.5-29.**	(19.1)
15000	240	13	25	35	31	3HXO15212-25-35.**	48
	480	(330)	(635)	(889)	(790)	3HXO15412-25-35.**	(21.8)
18000	240	13	29	40	25	3HXO18212-29-40.**	54
	480	(330)	(737)	(1016)	(635)	3HXO18412-29-40.**	(24.5)

Three-phase standard. Guards recommended.

**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
- 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** 1,500 to 18,000 Watts

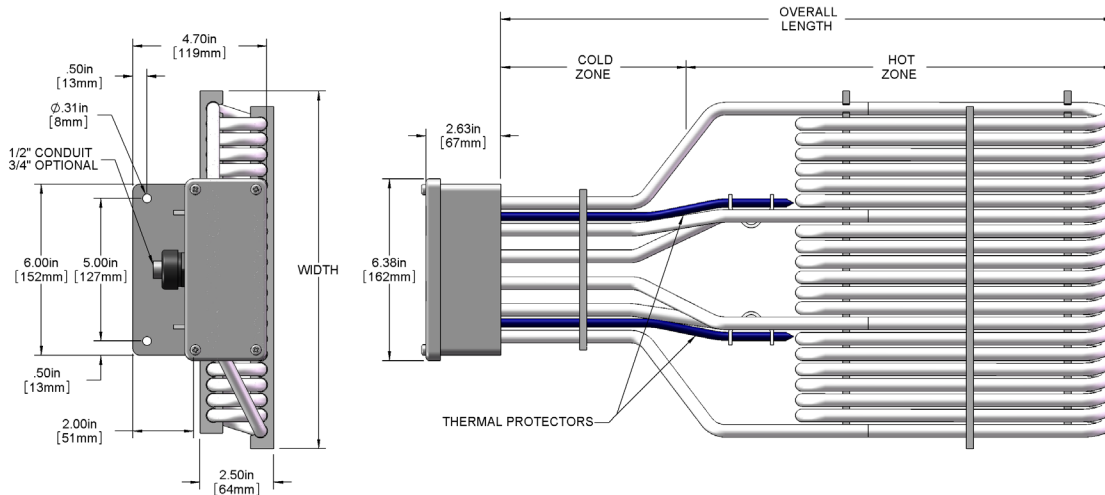
**Voltages** 120 to 600 Volts

**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

3HXO	1.5	1	10.5	08	11	P1		
Series	Wattage	Voltage	Width	Hot Zone	Overall Length	Phase	Type of Protector	Wire & Conduit Length
3HXO = PTFE	1.5 = 1500	1 = 120	10.5 = 1.5kW	08 = 1.5kW	11 = 1.5kW	3 phase (std), no designator	Replaceable Fuse (Type-J TC)	36" length standard (no designator)
	3 = 3000	2 = 240	11 = 3kW	08 = 3kW	11 = 3kW	1 = single phase	P1 (std) = solutions up to 190°F	Specify variations from standard Ex: -X84 = 84"
	4.5 = 4500	3 = 380	11 = 4.5kW	11.5 = 4.5kW	17 = 4.5kW		Resettable Fuse (Type-J TC)	
	6 = 6000	4 = 480	13 = 6kW	12.5 = 6kW	17 = 6kW		P2 = solutions up to 190°F	
	9 = 9000	5 = 415	13 = 9kW	18 = 9kW	23 = 9kW		P8 = 190° to 210°F	
	12 = 12000	6 = 600	13 = 12kW	22.5 = 12kW	29 = 12kW		P3 = 210° to 250°F	
	15 = 15000	7 = 400	13 = 15kW	27 = 15kW	35 = 15kW			
	18 = 18000	8 = 208	13 = 18kW	31 = 18kW	40 = 18kW			
		9 = 220						
		0 = 200						
					Specify custom lengths			

