

3HXO Series

PRODUCT DATA SHEET

Fluoropolymer Heater

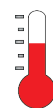
Excellent chemical resistance to aggressive acids!

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.

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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/in² (1.5 W/cm²)
- 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

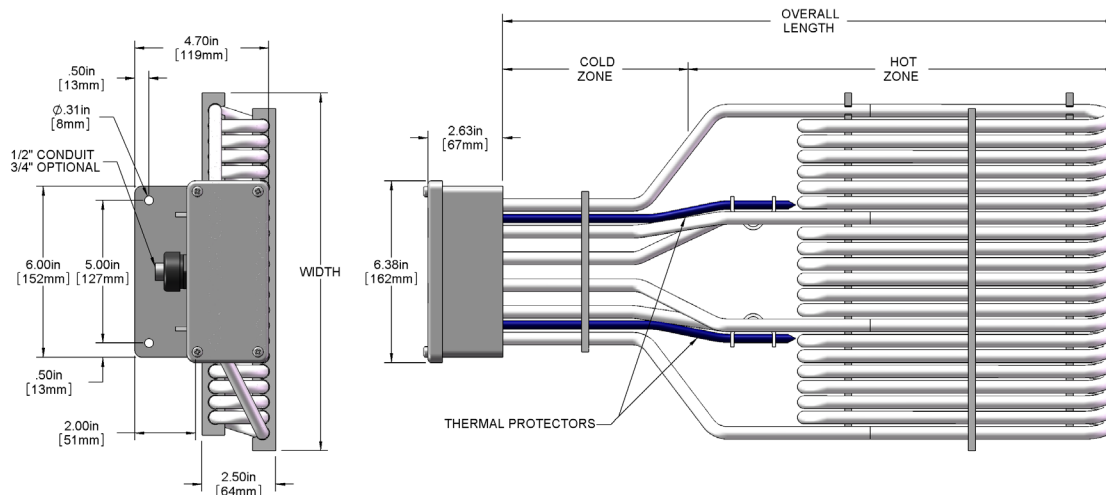
Temperature Range Up to 100°C (212°F)

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
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)
	3 = 3000	2 = 240	11 = 3kW		08 = 3kW		11 = 3kW		1 = single phase	P1 (std) = solutions up to 190°F
	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 = 220								
							Specify custom lengths			
										Wire & Conduit Length
										36" length standard (no designator)
										Specify variations from standard Ex: -X84 = 84"

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