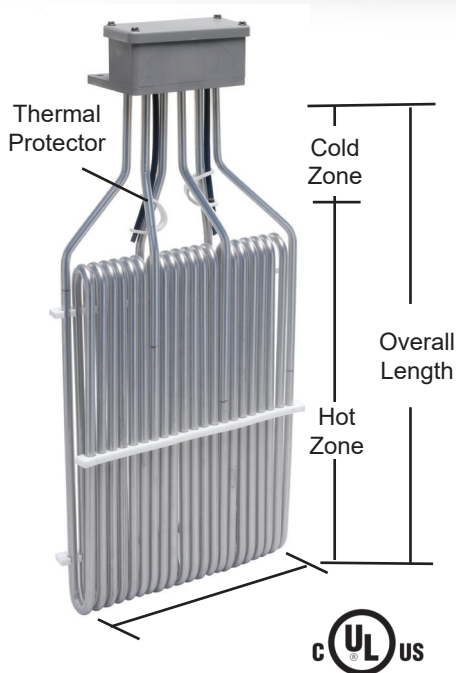




3HXO SERIES, MULTI ELEMENT FLUOROPOLYMER (PTFE) HEATERS							
WATTS	VOLTS	HEATER PAD		MAX. COLD ZONE	MODEL NUMBER	SHIP WGT. Lbs./ (kg)	
		WIDTH	LENGTH				
		In./ (mm)	In./ (mm)	In./ (mm)	In./ (mm)		
1500	120	10.5	6	11	36	3HXO1.5110.5-06-11-*	15
	240	(263)	(152)	(279)	(915)	3HXO1.5210.5-06-11-*	(6.8)
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.

3HXO Series, Multi Element 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 reduces permeation. 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 protectors built in. Replaceable P1 protectors standard for solutions up to 180°F(82°C).
- ♦ Non-floating construction.

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

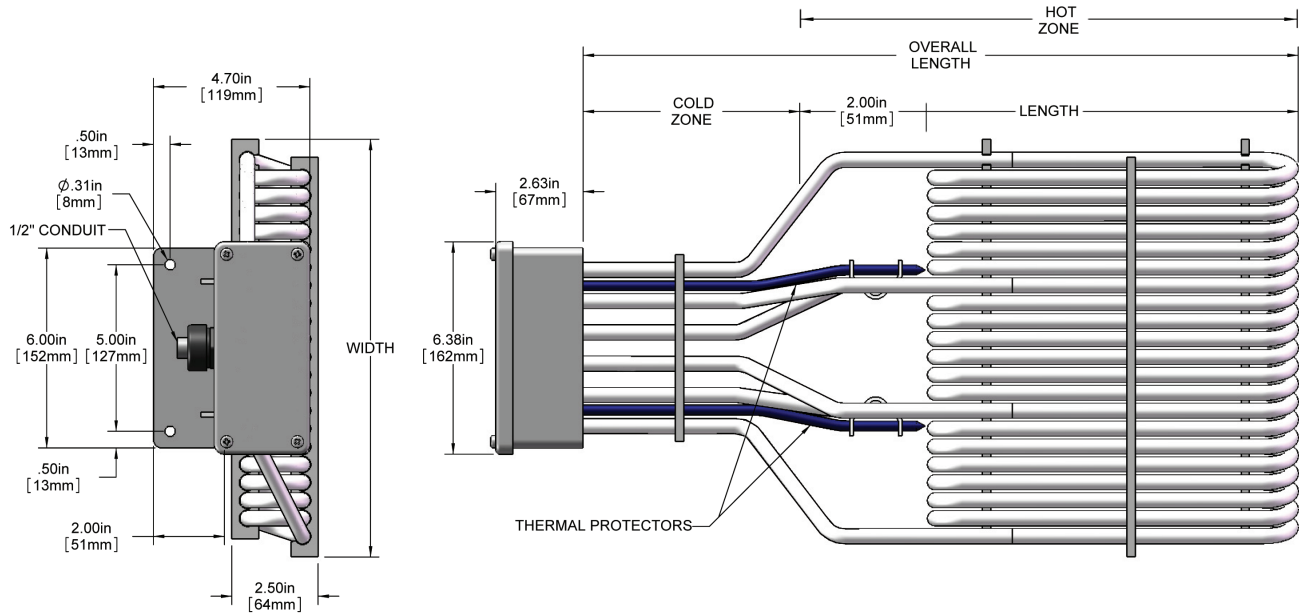
SIZES: 1500 watts to 18,000 watts.

VOLTAGES: 120 to 600 volts. (600 volts on 12,000 watts or lower only)

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 and solutions over 180°F(82°C) (sold separately).
- ♦ Special configurations and lengths.
- ♦ Longer wire and conduit lengths.
- ♦ Flexible continuous fluoropolymer leads (P3 protector only).
- ♦ Lower watt densities for highly viscous solutions and technical acids.
- ♦ Temperature and level controls sized to match the heater. (sold separately)
- ♦ Patented purge feature promotes a longer heater life.

DIMENSIONS



MULTI ELEMENT OVER THE SIDE FLUOROPOLYMER (PTFE) HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Width	Hot Zone	Overall Length	Single Phase	Type of Protector	Wire and Conduit Length		
	1.5 =1500 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	10.5 =1.5kW 11 = 3kW 11 = 4.5kW 13 = 6kW 13 = 9kW 13 = 12kW 13 = 15kW 13 = 18kW	-08 = 1.5kW -08 = 3kW -11.5 = 4.5kW -12.5 = 6kW -18 = 9kW -22.5 = 12kW -27 = 15kW -31 = 18kW	-11 = 1.5kW -11 = 3kW -17 = 4.5W -17 = 6kW -23 = 9kW -29 = 12kW -35 = 15kW -40 = 18kW Specify custom lengths, not to exceed tank length.	3 phase standard (no designator) - 1 if single phase.		36" length conduit standard (no designator) Specify variations from standard. Ex: -X84 = 84"		
	3HXO = PTFE 3HSO = 304 Stainless Steel									
	Replaceable Protector									
	P1	for solutions up to 190°F								
	Resettable Protector									
	(additional control components required)									
	P2	for solutions up to 190°F								
	P8	for 190° - 210°F solutions								
	P3	for 210° - 250°F solutions								

ORDERING EXAMPLE:

3HXO15413-20-35-P1-X60

Multi element over the side fluoropolymer heater, 15000 watts, 480 volt, three phase, 13" wide, 20" high hot zone, 35" overall length, P1 thermal protector, 60" wire and conduit.

