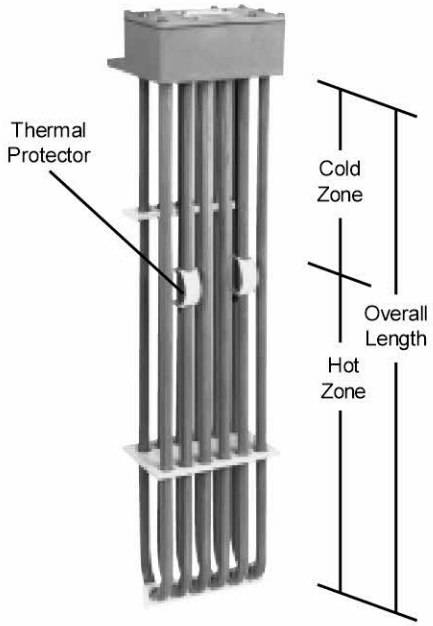


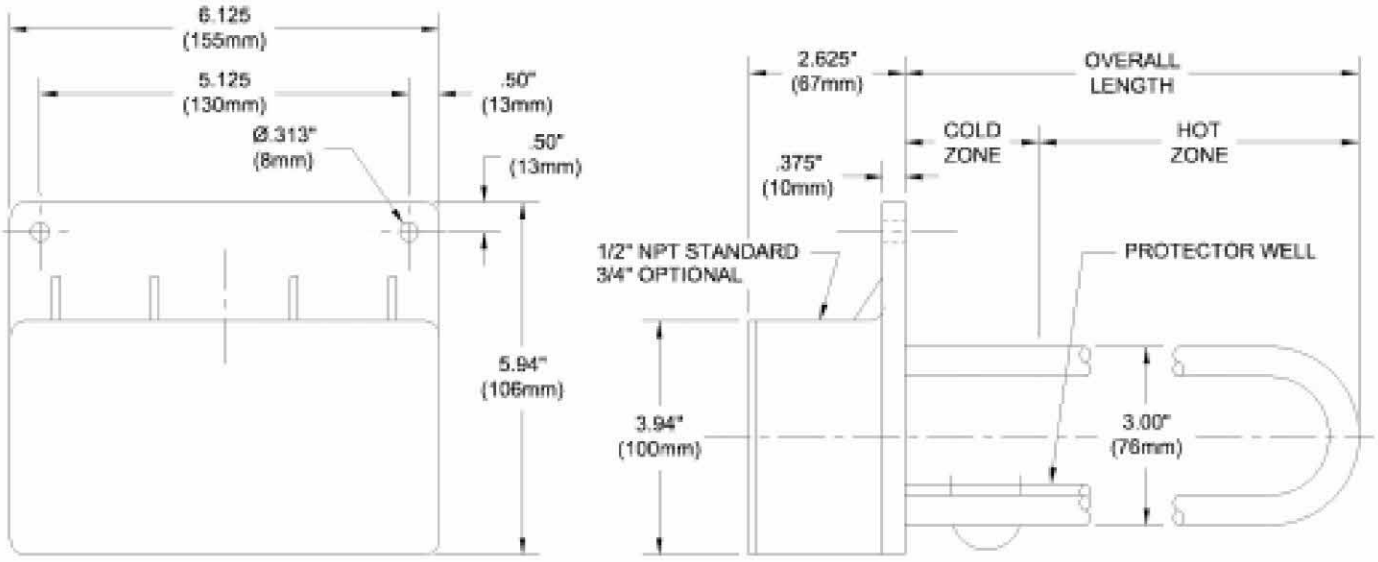
6HX SERIES, SIX ELEMENT FLUOROPOLYMER (PTFE) HEATERS					
WATTS	VOLTS	HOT ZONE In./(mm)	OVERALL LENGTH In./(mm)	MODEL NUMBER	SHIP WGT. Lbs./(kg)
2000	120	9	17	6HX2117-1**	19
	240	(230)	(430)	6HX2217-**	(8.5)
	480			6HX2417-**	
3000	240	15	23	6HX3223-**	22
	480	(380)	(585)	6HX3423-**	(10)
4000	240	21	29	6HX4229-**	24
	480	(535)	(735)	6HX4429-**	(11)
6000	240	28	35	6HX6235-**	27
	480	(710)	(890)	6HX6435-**	(12.5)
8000	240	38	47	6HX8247-**	33
	480	(965)	(1195)	6HX8447-**	(15)
10000	240	47	59	6HX10259-**	40
	480	(1195)	(1500)	6HX10459-**	(18)
12000	240	55	68	6HX12268-**	45
	480	(1400)	(1725)	6HX12468-**	(20.5)

Three phase standard. Single phase available as option. Add "-1" before thermal protector designator.

Product 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 and eliminates the need for gas purge systems. Guaranteed 100% pinhole free.
- **OUTSTANDING PERFORMANCE**: Low watt density design (10 watts/square inch, 1.5w/cm^2) for long service life. Excellent choice for electroless chemistries.
- **CORROSION RESISTANT HEAD**: Vapor tight, flame retardant polypropylene terminal enclosure with 3-foot (.9m) flexible PVC liquid tight conduit.
- **SAFETY FEATURES**:
  - Grounded internal metal element.
  - Thermal protector built in. Replaceable PT-I fuse standard for solutions up to 190°F (88°C).
  - Non-floating construction.
- **CERTIFICATIONS**: UL, CSA, and CE.
- **SIZES**: 2,000 watts to 12,000 watts.
- **VOLTAGES**: 120, 240 or 480 volts. 208, 380, 415, 600 and other voltages available. Three phase standard, single phase available.
- **OPTIONS AVAILABLE** (consult factory):
  - Resettable thermal protectors:
    - PT-II bi-metal switch: for solutions up to 190°F (88°C).
    - PT-III type-J thermocouple for solutions from 190°F (88°C) to 210°F (99°C).
    - PIII type-J thermocouple for solutions from 210°F (99°C) to 250°F (121°C).
  - Polypropylene guards: recommended for applications up to 180°F (82°C).
  - Fluoropolymer (PTFE) guards: recommended for chromic acid or solutions over 180°F (82°C).
  - L-Shaped and other special configurations.
  - Longer wire and conduit lengths.
  - Lower watt densities for highly viscous solutions and technical acids.
  - Temperature and level controls sized to match the heater.

DIMENSIONS



6 ELEMENT FLUOROPOLYMER (PTFE) HEATER

Series

6HX = PTFE
6HS = 304 stainless steel

Wattage

2 =2000
3 =3000
4 =4000
6 =6000
8 =8000
10 = 10000
12 = 12000

Voltage

1 = 120
2 = 240
4 = 480
-208- = 208
-277- = 277
-380- = 380
-415- = 415
-600- = 600

Overall Length

17 = 2kW
23 = 13kW
29 = 4kW
35 = 6kW
47 = 8kW
59 = 10kW
68 = 12kW

Options

X = any special configuration not called out in the number (specify in clear text)
-C = complete with guard
no designator = three phase power (standard)
-1 = single phase power

Type of Fuse

Replaceable Fuse	
-PTI (std)	for solutions up to 190°F
-PTIM	for 190° - 220°F solutions
Resettable Fuse	
(additional control components required)	
-PT-II	for solutions up to 190°F
-PT-III	for 190° - 210°F solutions
-PIII	for 210° - 250°F solutions

Wire and Conduit Length

36" length standard
(no designator)
specify variations from standard
Ex: -X84 = 84"

ORDERING EXAMPLE:

6HX8247C-PT-II

6 element, fluoropolymer, 8,000 watts, 240 volt, 47" overall length, complete with guard, PT-II fuse.

PROCESS TECHNOLOGY

ALLIED PLATING SUPPLIES, INC.
800-432-8692 www.alliedplating.com info@alliedplating.com