

HX SERIES, SPIRAL FLUOROPOLYMER (PTFE) HEATERS

| WATTS | VOLTS | HOT ZONE In./(mm) | OVERALL LENGTH In./(mm) | MAX. COLD ZONE In./(mm) | MODEL NUMBER | SHIP WGT. Lbs./kg) |
|-------|-------|----------------------|----------------------------|----------------------------|--------------|-----------------------|
| 500 | 120 | 5 | 11 | 41 | HX5111-** | 6 |
| | 240 | (125) | (280) | (1040) | HX5211-** | (2.5) |
| 1000 | 120 | 7 | 11 | 41 | HX1111-** | 7 |
| | 240 | (180) | (280) | (1040) | HX1211-** | (3.5) |
| 2000 | 120 | 12 | 17 | 40 | HX2117-** | 8 |
| | 240 | (305) | (430) | (1015) | HX2217-** | (4) |
| | 480 | | | | HX2417-** | |
| 3000 | 240 | 16 | 23 | 40 | HX3223-** | 13 |
| | 480 | (405) | (585) | (1015) | HX3423-** | (6) |
| 4000 | 240 | 20 | 29 | 40 | HX4229-** | 15 |
| | 480 | (510) | (735) | (1015) | HX4429-** | (7) |
| 5000 | 240 | 25 | 35 | 36 | HX5235-** | 18 |
| | 480 | (635) | (890) | (915) | HX5435-** | (8) |
| 6000 | 240 | 29 | 40 | 30 | HX6240-** | 21 |
| | 480 | (735) | (1015) | (760) | HX6440-** | (10) |
| 8000 | 240 | 37 | 47 | 32 | 2HX8247-** | 25 |
| | 480 | (940) | (1195) | (810) | 2HX8447-** | (12) |
| 9000 | 240 | 44 | 54 | 35 | 2HX9254-** | 28 |
| | 480 | (1120) | (1370) | (890) | 2HX9454-** | (13) |

Single phase only.

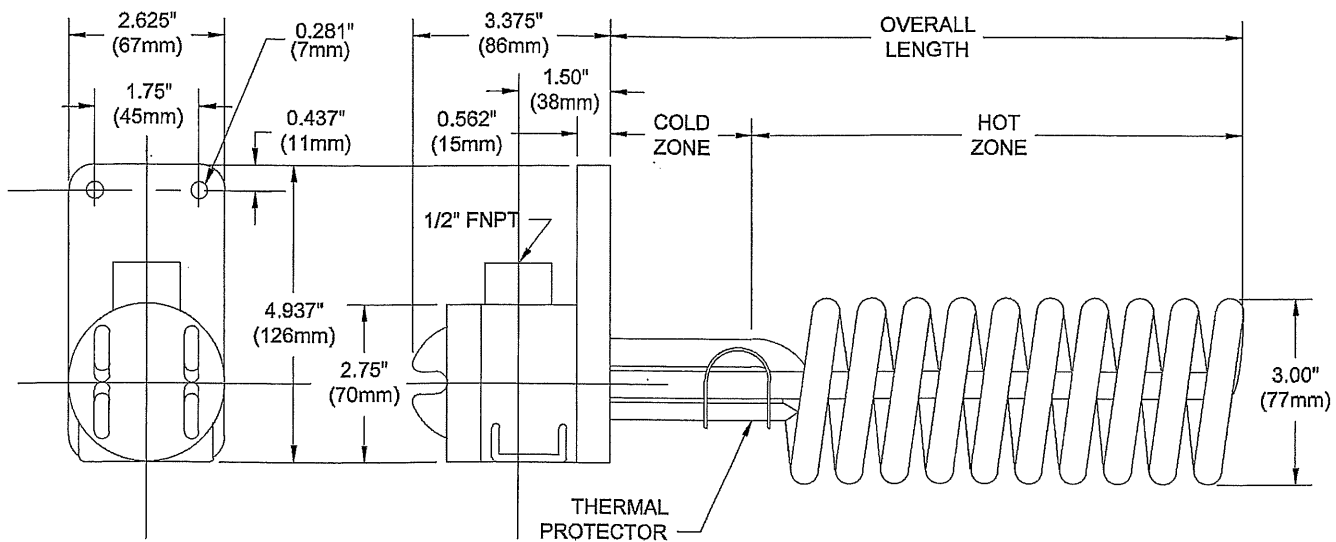
Product Features and Benefits:

- ◆ **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/cm²) for long service life.
- ◆ **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 (1-6 kW), CSA, and CE.
- ◆ **SIZES:** 500 watts to 9,000 watts.
- ◆ **VOLTAGES:** 120, 240 or 480 volts. 208, 380, 415, 600 and other voltages available. Single phase only.
- ◆ **OPTIONS AVAILABLE** (consult factory):
 - Replaceable thermal protectors:
 - PT-IM: for solutions from 190°F (88°C) to 220°F (104°C).
 - 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).
 - Longer vertical lengths (cold zones).
 - 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).
 - Special configurations.
 - Longer wire and conduit lengths.
 - Flexible continuous fluoropolymer leads (PIII protector only).
 - Lower watt densities for highly viscous solutions and technical acids.
 - Temperature and level controls sized to match the heater.

FLOW FACTOR

24050 COMMERCE PARK RD
CLEVELAND, OHIO 44122
866-360-9830
www.flowfactor.com

DIMENSIONS (up to 6 kW)



SPIRAL OVER THE SIDE FLUOROPOLYMER (PTFE) HEATER

| Series | Wattage | Voltage | Overall Length | Options | Type of Fuse | Wire and Conduit Length |
|--------|--|--|---|---------|--|---|
| | .5 = 500 1 = 1000 2 = 2000 3 = 3000 4 = 4000 5 = 5000 6 = 6000 8 = 8000 9 = 9000 | 1 = 120 2 = 240 4 = 480 -208- = 208 -277- = 277 -380- = 380 -415- = 415 -600- = 600 | 11 = .5kW 11 = 1kW 17 = 2kW 23 = 3kW 29 = 4kW 35 = 5kW 40 = 6kW 47 = 8kW 54 = 9kW specify custom lengths, not to exceed tank depth | | | no designator = 36" length standard specify variations from standard Ex: -X84 = 84" |
| | HX = PTFE sheathed 2HX = 2 element PTFE sheathed HS = 304 stainless steel 2HS = 2 element 304 stainless steel | | | | Replaceable Fuse | |
| | | | | | -PT-I (std) for solutions up to 190°F -PT-IM 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 | |
| | X = any special configuration not called out in the part number (specify in clear text) -C = complete with guard | | | | | |

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