

# HXF Series

## PRODUCT DATA SHEET

### Fluoropolymer Heater

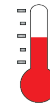
**Excellent chemical resistance to aggressive acids!**

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)



500 to 6,000 Watts



120 to 600 Volts  
(600V on 4,500W & lower)



PTFE sleeved 304 stainless steel



cULus  
CE (except 600 Volts)

| HXF SERIES, LOW PROFILE<br>FLUOROPOLYMER (PTFE) HEATERS |       |                     |                           |                 |                           |                |                       |
|---|-------|---------------------|---------------------------|-----------------|---------------------------|----------------|-----------------------|
| WATTS   | VOLTS | HOT ZONE<br>in/(mm) | OVERALL LENGTH<br>in/(mm) | DIA.<br>in/(mm) | MAX. COLD ZONE<br>in/(mm) | MODEL NUMBER   | SHIP WGT.<br>lbs/(kg) |
| 500   | 120   | 6                   | 14                        | 5               | 36                        | HXF.5105-14-** | 6                     |
|   |       | (152)               | (356)                     | (127)           | (914)                     | HXF.5205-14-** | (2.7)                 |
| 1000  | 120   | 7                   | 14                        | 6               | 36                        | HXF1106-14-**  | 7                     |
|   |       | (178)               | (356)                     | (152)           | (914)                     | HXF1206-14-**  | (3.2)                 |
| 2000  | 120   | 9                   | 17                        | 8               | 35                        | HXF2108-17-**  | 8                     |
|   |       | (229)               | (432)                     | (203)           | (889)                     | HXF2208-17-**  | (3.6)                 |
|   |       |                     |                           |                 |                           | HXF2408-17-**  |                       |
| 3000  | 240   | 10                  | 23                        | 9               | 35                        | HXF3209-23-**  | 13                    |
|   |       | (254)               | (584)                     | (229)           | (889)                     | HXF3409-23-**  | (5.9)                 |
| 4000  | 240   | 12                  | 29                        | 11              | 35                        | HXF4211-29-**  | 15                    |
|   |       | (305)               | (737)                     | (279)           | (889)                     | HXF4411-29-**  | (6.8)                 |
| 5000  | 240   | 13                  | 35                        | 12              | 31                        | HXF5212-35-**  | 18                    |
|   |       | (330)               | (889)                     | (305)           | (787)                     | HXF5412-35-**  | (8.2)                 |
| 6000  | 240   | 14                  | 40                        | 13              | 25                        | HXF6213-40-**  | 22                    |
|   |       | (356)               | (1016)                    | (330)           | (635)                     | HXF6413-40-**  | (10)                  |

Single phase only. Guards recommended. This configuration is not recommended for electroless chemistry, phosphoric acid, or applications prone to sludge buildup.

**PROCESS  
TECHNOLOGY**

ISO 9001:2015  
WITH DESIGN CERTIFIED

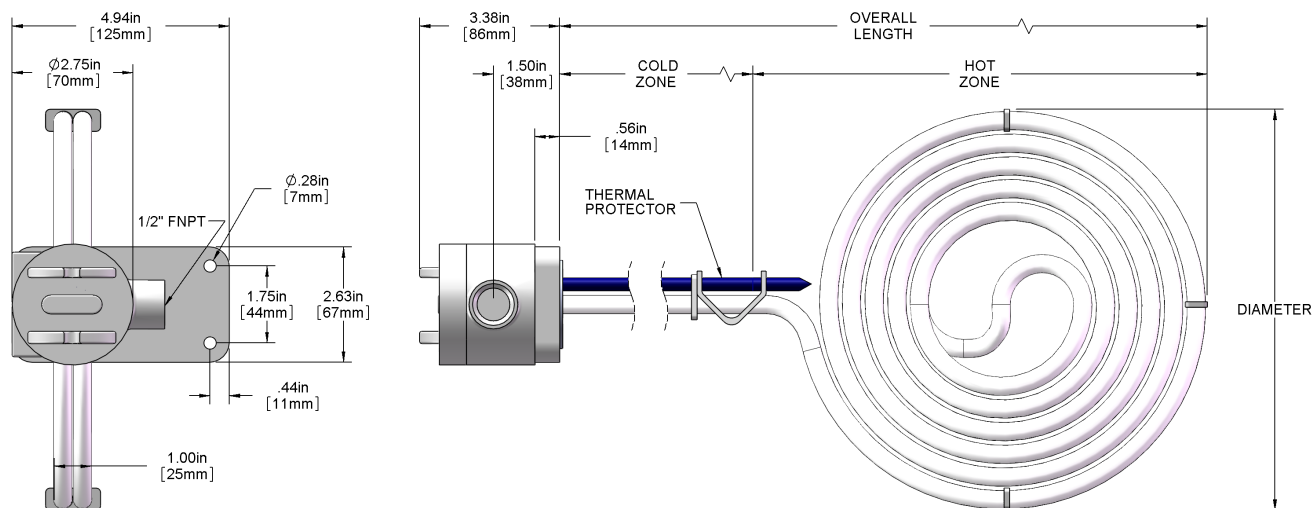
## Features & Values

- 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
- Lower Watt densities available for highly viscous solutions & technical acids
- Optional patented purge feature promotes longer heater life

## Specifications

|                          |   |
|--------------------------|---|
| <b>Wattages</b>          | 500 to 6,000 Watts  |
| <b>Voltages</b>          | 120 to 600 Volts<br>(600V on 4,500W or lower only)  |
| <b>Temperature Range</b> | Up to 100°C (212°F)   |
| <b>Safety Features</b>   | <ul style="list-style-type: none"> <li>▫ Grounded internal metal element</li> <li>▫ Built-in thermal protector. Replaceable P1 protector standard for up to 82°C (180°F). Other options available</li> <li>▫ Non-floating construction</li> </ul> |
| <b>Certifications</b>    | cULus listed<br>CE compliant (except 600V)  |

## Dimensions



## Model Number Breakdown

| Series     | Wattage  | Voltage | Diameter (in.) | Overall Length         | Type of Protector                   | Wire & Conduit Length                           |
|------------|----------|---------|----------------|------------------------|-------------------------------------|---|
| HXF = PTFE | .5 = 500 | 1 = 120 | 05 = .5kW      | 14 = .5kW              | <b>Replaceable Fuse (Type-J TC)</b> | 36" length standard (no designator)             |
|            | 1 = 1000 | 2 = 240 | 06 = 1kW       | 14 = 1kW               | P1 (std) = solutions up to 190°F    | Specify variations from standard Ex: -X84 = 84" |
|            | 2 = 2000 | 3 = 380 | 08 = 2kW       | 17 = 2kW               | P4 = solutions 190°F to 220°F       |   |
|            | 3 = 3000 | 4 = 480 | 09 = 3kW       | 23 = 3kW               | <b>Resettable Fuse (Type-J TC)</b>  |   |
|            | 4 = 4000 | 5 = 415 | 11 = 4kW       | 29 = 4kW               | P2 = solutions up to 190°F          |   |
|            | 5 = 5000 | 6 = 600 | 12 = 5kW       | 35 = 5kW               | P8 = solutions up to 210°F          |   |
|            | 6 = 6000 | 7 = 400 | 13 = 6kW       | 40 = 6kW               | P3 = solutions up to 250°F          |   |
|            |          | 8 = 208 |                | Specify custom lengths |                                     |   |
|            |          | 9 = 220 |                |                        |                                     |   |
|            |          | 0 = 200 |                |                        |                                     |   |

