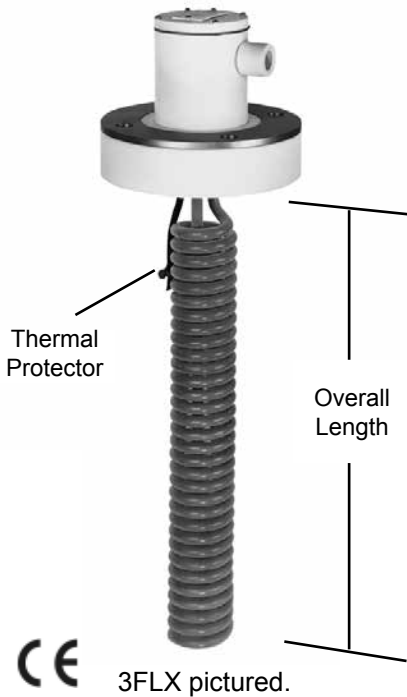




HEATERS



FLX SERIES, 3" 150 LB. STYLE SINGLE ELEMENT FLUOROPOLYMER (PTFE) FLANGED HEATERS

| WATTS | VOLTS | NO. OF ELEMENTS | OVERALL LENGTH In./ (mm) | MODEL NUMBER | SHIP WGT. Lbs./ (kg) |
|-------|-------|-----------------|-----------------------------|--------------|-------------------------|
| 1000 | 120 | 1 | 11 | 3FLX1111-** | 20 |
| | 240 | | (279) | 3FLX1211-** | (9.1) |
| 2000 | 240 | 1 | 16 | 3FLX2216-** | 23 |
| | 480 | | (406) | 3FLX2416-** | (10.4) |
| 3000 | 240 | 1 | 21 | 3FLX3221-** | 26 |
| | 480 | | (533) | 3FLX3421-** | (11.8) |
| 4000 | 240 | 1 | 28 | 3FLX4228-** | 29 |
| | 480 | | (711) | 3FLX4428-** | (13.2) |
| 5000 | 240 | 1 | 32 | 3FLX5232-** | 32 |
| | 480 | | (813) | 3FLX5432-** | (14.5) |
| 6000 | 240 | 1 | 35 | 3FLX6235-** | 35 |
| | 480 | | (889) | 3FLX6435-** | (15.9) |

FLX SERIES, 6" 150 LB. STYLE THREE ELEMENT FLUOROPOLYMER (PTFE) FLANGED HEATERS

| WATTS | VOLTS | NO. OF ELEMENTS | OVERALL LENGTH In./ (mm) | MODEL NUMBER | SHIP WGT. Lbs./ (kg) |
|-------|-------|-----------------|-----------------------------|--------------|-------------------------|
| 3000 | 240 | 3 | 11 | 6FLX3211-** | 42 |
| | 480 | | (279) | 6FLX3411-** | (19.1) |
| 6000 | 240 | 3 | 16 | 6FLX6216-** | 51 |
| | 480 | | (406) | 6FLX6416-** | (23.1) |
| 9000 | 240 | 3 | 21 | 6FLX9221-** | 60 |
| | 480 | | (533) | 6FLX9421-** | (27.2) |
| 12000 | 240 | 3 | 28 | 6FLX12228-** | 66 |
| | 480 | | (711) | 6FLX12428-** | (29.9) |
| 15000 | 240 | 3 | 32 | 6FLX15232-** | 75 |
| | 480 | | (813) | 6FLX15432-** | (34) |
| 18000 | 240 | 3 | 35 | 6FLX18235-** | 84 |
| | 480 | | (889) | 6FLX18435-** | (38.1) |

FLX Series 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 and reduces the need for gas purge systems. 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:

- ◆ Polypropylene terminal enclosure with 3 ft (.9m) flexible PVC liquid tight conduit.

SAFETY FEATURES:

- ◆ Grounded internal metal element.
- ◆ Thermal protector built in. Resettable P2 protector standard for solutions up to 180°F (82°C).
- ◆ Non-floating construction.

CERTIFICATIONS: CE compliant (except 600 volts).

SIZES: 1000 watts to 18,000 watts.

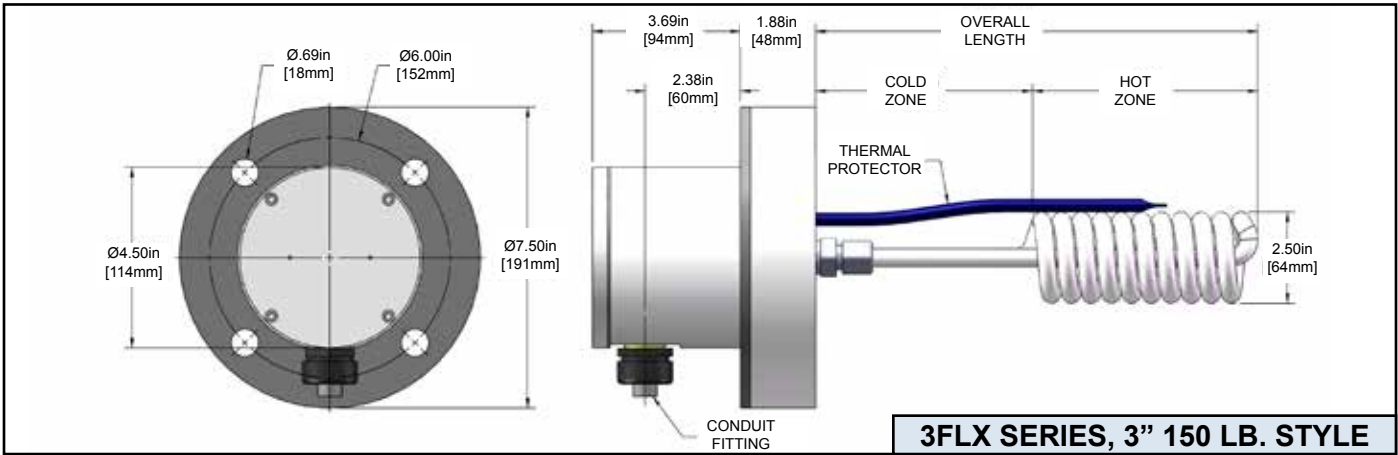
VOLTAGES: 120 to 600 volts. 3FLX single phase only. 6FLX single or three phase.

OPTIONS AVAILABLE (consult factory):

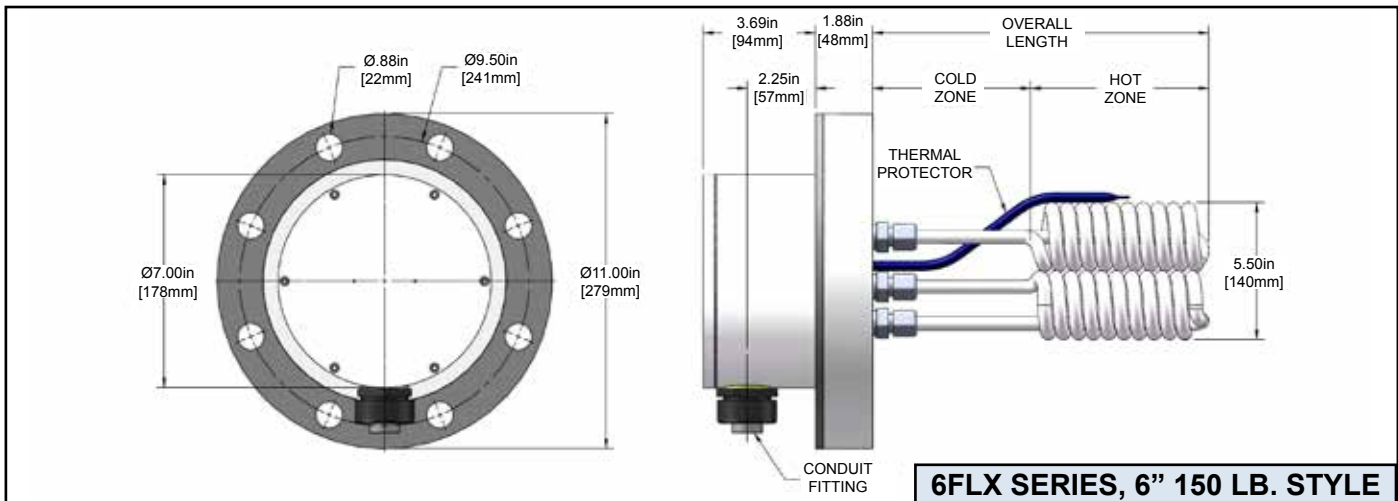
- ◆ P8: Type-J thermocouple for solutions up to 210°F (99°C).
- ◆ Special configurations and lengths.
- ◆ Longer wire and conduit lengths.
- ◆ Lower watt densities for highly viscous solutions and technical acids.
- ◆ Temperature and level controls sized to match the heater. (sold separately)

NOTE: Gasket and bolts are not provided. Intended for horizontal installation only.

DIMENSIONS



3FLX SERIES, 3" 150 LB. STYLE



6FLX SERIES, 6" 150 LB. STYLE

PTFE FLANGED HEATER ORDERING INFORMATION

| Flange Size | Series | Wattage | Voltage | Overall Length (in.) | Options | Type of Protector | Wire and Conduit Length | | | | | | | | |
|--|---------------------------|--|--|--|---|---|-------------------------|--|--|--|----|---------------------------|----|---------------------------|---|
| 3 = 3" 6 = 6" | | 1 = 1000 2 = 2000 3 = 3000 4 = 4000 5 = 5000 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 | 3FLX 6FLX 11 = 1kW 3kW 16 = 2kW 6kW 21 = 3kW 9kW 28 = 4kW 12kW 32 = 5kW 15kW 35 = 6kW 18kW specify (custom lengths available) | Single phase power only for 3FL series Three phase power standard for 6FL series -1 = single phase power (6FL only) | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Resettable Protector</th> </tr> <tr> <td colspan="2" style="text-align: center;">(additional control components required)</td> </tr> <tr> <td style="text-align: center;">P2</td> <td style="text-align: center;">for solutions up to 180°F</td> </tr> <tr> <td style="text-align: center;">P8</td> <td style="text-align: center;">for solutions up to 210°F</td> </tr> </table> | Resettable Protector | | (additional control components required) | | P2 | for solutions up to 180°F | P8 | for solutions up to 210°F | No designator = 36" conduit standard. Specify variations, Ex. - 84 = 84" length. |
| Resettable Protector | | | | | | | | | | | | | | | |
| (additional control components required) | | | | | | | | | | | | | | | |
| P2 | for solutions up to 180°F | | | | | | | | | | | | | | |
| P8 | for solutions up to 210°F | | | | | | | | | | | | | | |
| FLX = PTFE sheathed | | | | | | | | | | | | | | | |

ORDERING EXAMPLE:

3FLX1211-P2

3" PTFE flange, PTFE sheathed element, 1000 watts, 240 volts, 11" overall length, P2 thermal protector.

