



**HEATEFLEX**<sup>®</sup>  
Ultra-Pure Heating Solutions



*Aries™ PFA IPA Heater*

## Aries™ PFA IPA Heater

### Safe Heating for Flammable Fluids

Heateflex Aries IPA Heater is designed to safely and effectively heat IPA. The Aries is constructed using PFA tubing embedded in an aluminum heater core and a patented hermetically sealed electrical connection. This provides fluid cleanliness and ensures safety is properly met. Built to UL standards, the Aries provides a safe and effective means of heating thermally-sensitive fluids.

**APPLICATIONS:** Semiconductor processing and high-purity fluid heating.

#### HIGH-PURITY DESIGN

- 100% PFA Wetted Surfaces
- Heats Thermally-Sensitive IPA and Gases

#### SAFE AND NON-INVASIVE HEATING

- Cast Aluminum Embedded heater and process tubes
- Can be ETL Compliance with UL449 and UL823 standards

#### PATENTED DESIGN FOR ISOLATING SENSORS

- Increased Protection of wires and sensors from fumes

#### MULTIPLE KW OUTPUTS

- Over 16 Different kW with modifications can be provided on same unit

#### FACILITY DATA

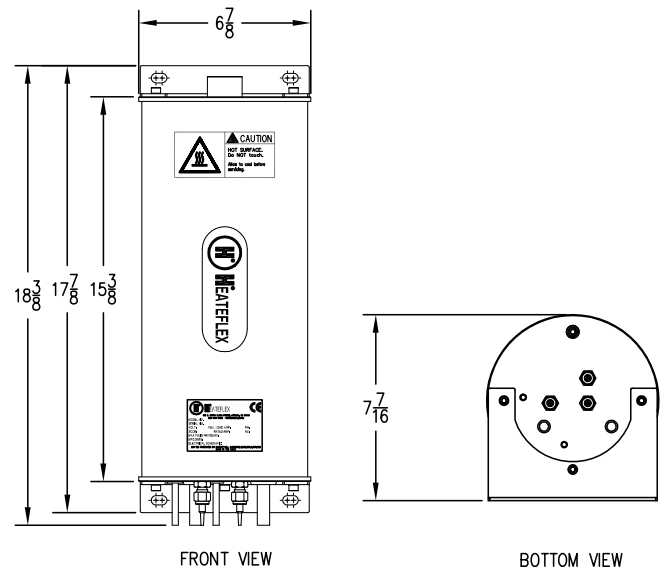
POWER	2.5 – 9.0kW (dependent on voltage)
VOLTAGE	208 - 480 VAC, 1 & 3-phase (dependent on power)
WETTED SURFACE	High Purity PFA Tubing
INPUT/OUTPUT	1/2" Tube
TEMP. RANGE	-195°C to 200°C
PRESSURE RANGE	0 - 70 PSI

## SAFETY FEATURES

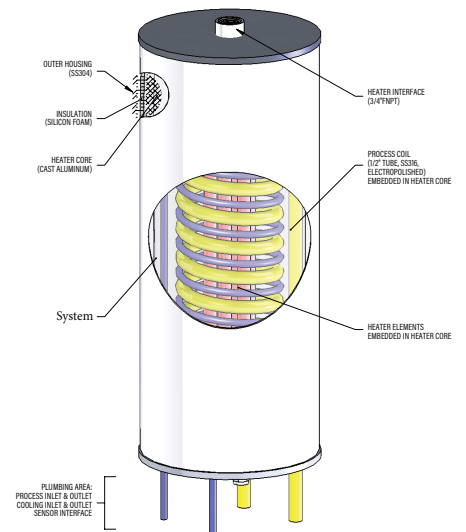
- **Over-Temperature Thermocouple** regulates heater temperature by limiting amount of heat produced
- **Heater Core Thermocouple** ensures fluid temperature is accurately maintained
- **Thermal Cut-Off** ensures heater does not exceed temperature range to prevent overheating
- **Ground Wire Protection** for both user and heater
- **Insulated Housing** for reduced surface temperature

## OPTIONAL FEATURES

- **Temperature Controller** in a "plug and play" design to provide precise fluid temperature
- **Multiple Fittings** to meet your system requirements
- **Handle and Cap** can be added to housing for added support and protection



*Dimensions*



*Internal Design*



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