WHITE KNIGHT®
engineer approved™

IN-LINE PFA FLUID HEATERS

HC Series Heaters for Aggressive Acids & Chemicals

HC Series in-line heaters are ideal for high-temperature, ultrapure processes. They feature PFA flow paths for optimal compatibility with aggressive chemicals. Their special internal fittings eliminate O-rings seals for enhanced cleanliness. HC heaters utilize the low-mass Heateflex® heating element with low watt density to provide fast, powerful temperature response.

Features & Benefits

- Ultrapure PFA wetted surfaces for optimal chemical compatibility
- Specialty fittings eliminate wetted O-rings to enhance cleanliness and reduce potential for leaks
- Fast, powerful temperature response from low-mass heating element with low watt density
- Up to 120°C at 60 psi
- 1-10 kW models available

Safety Features

- Junction box isolates heater and sensor wires from harsh environments
- Over-temperature thermocouple regulates temperature by limiting heat within housing
- Thermal cut-off ensures temperature does not exceed range to prevent overheating
- Process thermocouple ensures fluid temperature is accurately maintained
- Platinum-tipped ground wires protect user and heater

Specialty LHT Series Heaters for Higher Power

LHT Series heaters offer maximum power in compact designs with ultrapure, PFA flow paths. They feature the Heateflex® heating element with a low watt density for fast temperature response. LHT heater models are available from 1-42 kW and offer great flexibility for customizing voltage, power, and more .

Features & Benefits

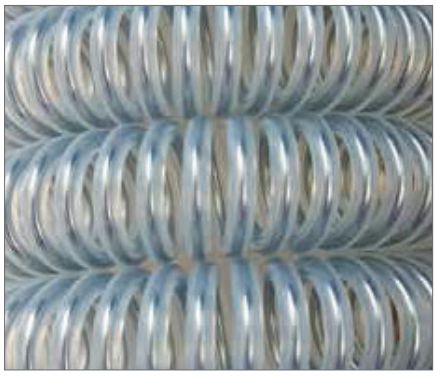
- Ultrapure PFA wetted surfaces for chemical compatibility
- Customized voltages, power outputs, and safety features
- Fast temperature response with increased power
- Increased power in small footprint
- Up to 95°C at 60 psi
- 1-42 kW models available

Ultrapure Heateflex® Heating Element

PFA in-line fluid heaters feature the Heateflex® heating coil. This heating element offers excellent power output in a compact package. It has a low watt density, which extends the heater life by spreading out the wattage. The heating element is coated in PFA materials, which eliminates the need for nitrogen purge, and reduces operating costs.

Model	Wetted Material	Housing Material	Max Temp*	Pressure	Power	Voltage
HC	PFA	Pipe	160°C	60 psi at 120°C	1-10 kW	120-480 VAC, 1 and 3-phase
LHT	PFA	Pipe	160°C	60 psi at 95°C	1-42 kW	208-480 VAC, 1 and 3-phase

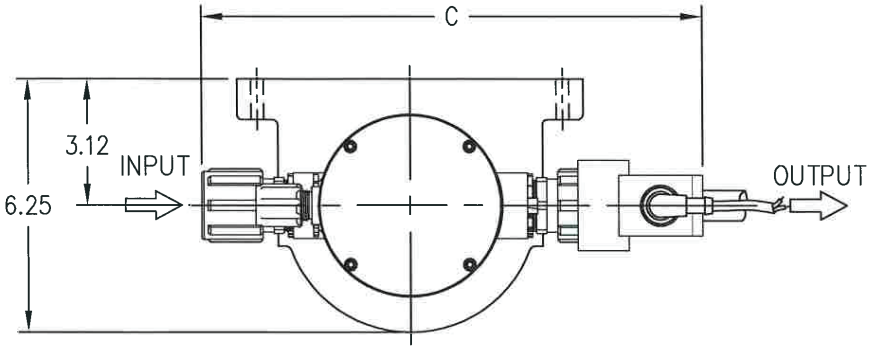
** Dependent on voltage.*

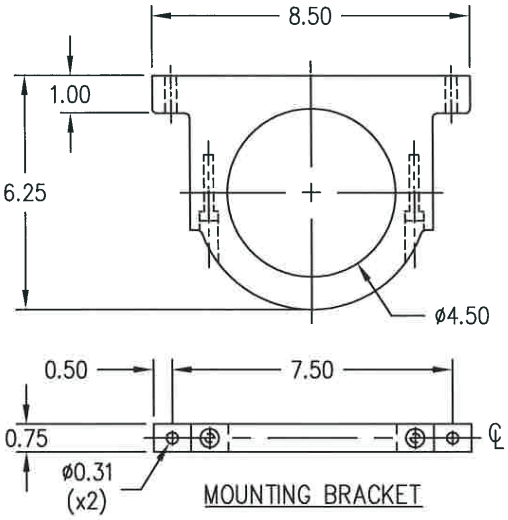


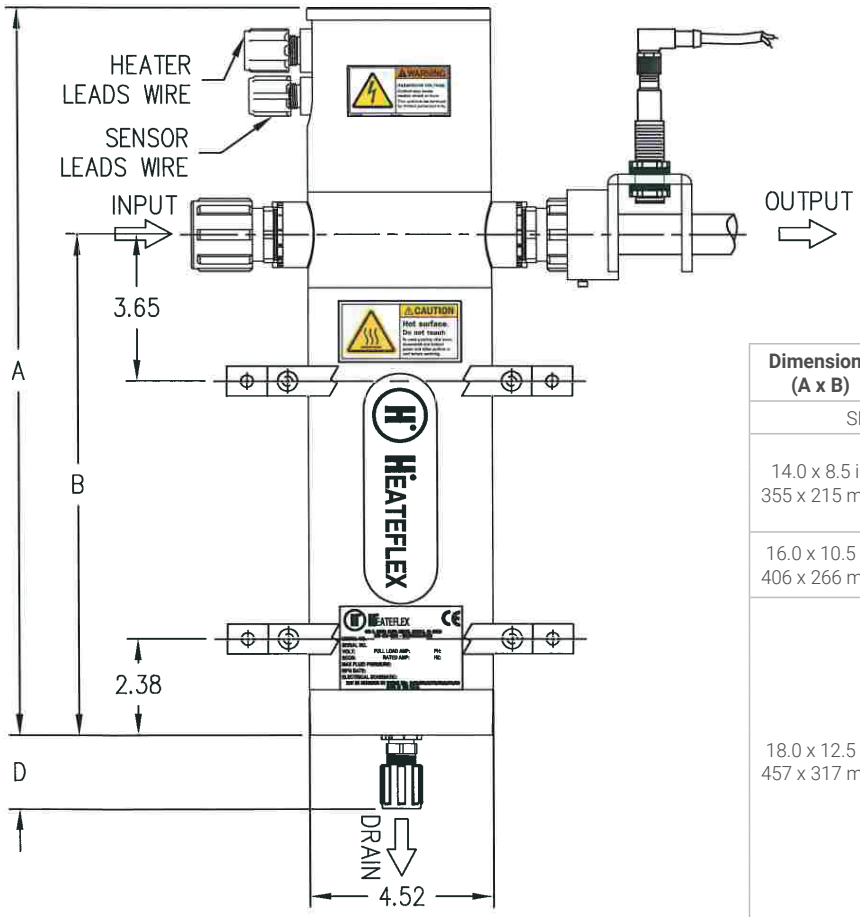
Heateflex® heating element

P: 626.599.8566 | sales@heateflex.com | https://wkfluidhandling.com/heaters/

Dimensions







Dimensions (A x B)	Power (kW)	Voltage (VAC)
SINGLE PHASE		
14.0 x 8.5 in 355 x 215 mm	1.2	208
	2.0	120
		208 - 240
16.0 x 10.5 in 406 x 266 mm	4.0	208
		380 - 480
18.0 x 12.5 in 457 x 317 mm	4.0	200
		220 - 240
	5.0	200
		480
	5.5	230
	6.0	208
		220
		240
		380
		400
26.0 x 20.5 in 660 x 520 mm	9.0	240
	10.0	208 - 230
		380 - 480

Dimensions (A x B)	Power (kW)	Voltage (VAC)
THREE PHASE		
27.0 x 21.5 in 685 x 546 mm	6.0	208
	10.0	208 - 230
		380 - 480
	12.0	230
		400
33.0 x 27.5 in 838 x 698 mm	12.0	208
		380
		480

I/O Connection (C)	Width (in.)
1/2-in Flare	11.5
3/4-in Flare	12.0
1-in Flare	12.5
1/2-in S300 Pillar	11.5
3/4-in S300 Pillar	11.7
1-in S300 Pillar	12.0

Drain Connection (C)	Width (in.)
1/2-in Flare	11.5
1/2-in S300 Pillar	11.5

P: 626.599.8566 | sales@heateflex.com | https://wkfluidhandling.com/heaters/