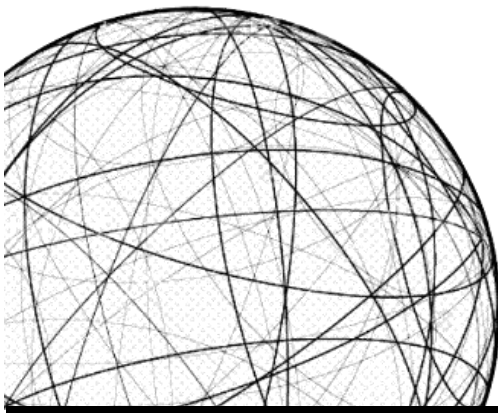




ChemHeat High-Purity In-Line Chemical Heater

Best-in-class heating for wet-process chemistries. Designed to support advanced Ultra HighPurity (UHP) requirements. ChemHeat flow path utilizes all fluoropolymer wetted materials, an o-ringless sealing design, and the capability to detect any breach in the fluid path. Suitable for all non-flammable chemistries in either single pass or recirculating flow applications.



ChemHeat



Watts:
2KW to 6KW



Volts:
120 to 480 Volts
Single phase
or 3 phase



Pressure:
Up to 475 kPa
(69 PSI) at 95°C
(203°F)



Certifications:
CE, UL 499,
CSA C22.2 #88,
Semi S2

FEATURES

Innovative Design for Ultra-High-Purity (UHP)

Cleanroom assembled

Chemistry contained within PTFE tubing to eliminate environmental exposure

No wetted o-rings

Patented purge technology detects breaches in the fluid path, prevents chemical permeation and extends heater life (MTFB).

Modular & Configurable

Reduced tool design space requirements

Easily retrofits to existing tools

Customized inlet/outlet options available

Low Internal Volume

Fast heat-up

Reduced chemistry costs

Precise and stable temperature control

Safety & Reliability

Internal grounding clear of the fluid path

Lower surface temperatures

Extended life of heater due to patented purge protection

APPLICATIONS

- Semiconductor Wet Processes
- Sterilization/Cleaning
- Surface Finishing
- Filtration

ChemHeat In-line High Purity Chemical Heater

SPECIFICATIONS

Wattages	2kW to 6kW	
Voltages	120 volts to 480 volts, single phase or 3 phase	
Pressure	475 kPa (69 PSI) for 12.7mm (1/2 inch) FLARETEK® 475 kPa (69 PSI) for 19.05mm (3/4 inch) FLARETEK® 324 kPa (47 PSI) for 25.4mm (1 inch) inlet/outlet FLARETEK® 475 kPa (69 PSI) for All Super 300 TYPE PILLAR®	
Fluid Connections	Inlet/Outlet Types/Sizes FLARETEK® 12.7mm (0.5 inch), 19.05mm (0.75 inch), or 25.4mm (1.0 inch) SUPER 300 TYPE PILLAR® (300 SP) 12.7mm (1/2 inch), 19.05mm (3/4 inch), or 25.4mm (1 inch) Custom inlet/outlets also available	Drain 9.5mm (0.375 inch) or 12.7mm (0.5 inch) flared,
Wetted Surfaces	PFA and PTFE fluoropolymer No wetted "O" rings	
Dimensions	225mm (8.86 inch) x 508mm (20 inch) x 147mm (5.79 inch)	
Watt Density	≤ 9.5 /in ²	
Safety Features	Element temperature sensor Choice between Type E, J, K thermocouple, 100-Ohm RTD, or 1000-Ohm RTD (2, 3, or 4 wire) Internal ground plane Patented purge protection and leak detection	

