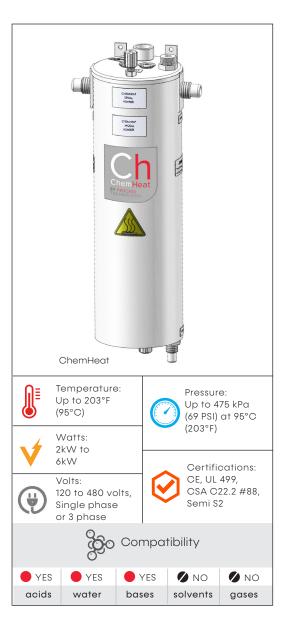
ChemHeat High-Purity | In-Line Chemical Heater



NEW - SMALL FOOTPRINT CHEMICAL HEATER

Best-in-class heating for wet-process chemistries. Designed to support advanced Ultra High-Purity (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.



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

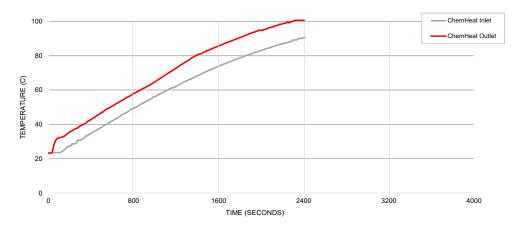
- Semiconductor
 Wet Processes
- Filtration

- · Sterilization/Cleaning
- · Surface Finishing

ChemHeat In-line High Purity Chemical Heater

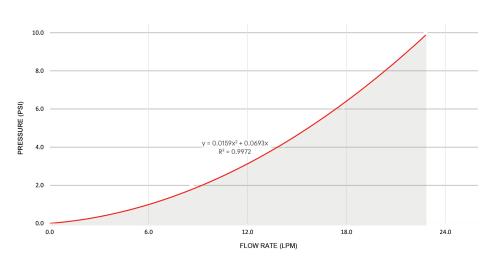
SPECIFICATIONS

Wattages	2kW to 6kW	
Voltages	120 volts to 480 volts, single phase or 3 phase	
Temperature Range	Up to 203°F (95°C).	
Pressure	475 kPa (69 PSI) at 203°F (95°C) for 12.7mm (1/2 inch) FLARETEK® 475 kPa (69 PSI) at 203°F (95°C) for 19.05mm (3/4 inch) FLARETEK® 324 kPa (47 PSI) at 203°F (95°C) for 25.4mm (1 inch) inlet/outlet FLARETEK® 475 kPa (69 PSI) at 203°F (95°C) 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	9.5mm (0.375 inch), or 12.7mm (0.5 inch) flared, or Super 300 Type Pillar®
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	

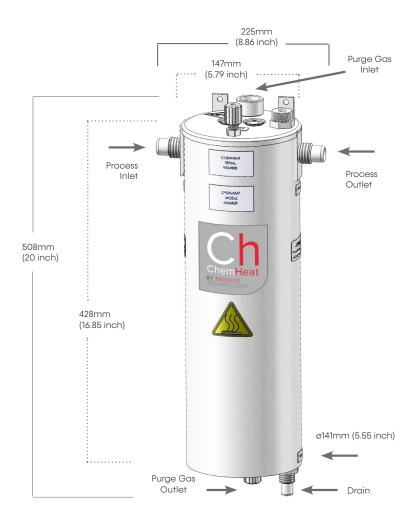


ChemHeat PRESSURE DROP 6kw - 3/4 I/O Fittings

PRESSURE DROP



DIMENSIONS



MODEL NUMBER BREAKDOWN

