

SHB/SHC

Inline Chemical/Solvent Heater

PRODUCT DATA SHEET

Safely heat process solvents and acids indirectly

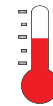
Safely heat chemicals and solvents through indirect heat

Stable and precise temperature control with changes in flow

Multiple temperature sensors ensure safe operation

PTFE model heats IPA and other acids up to 180°C

316 electropolished steel model heats standard solvents



Up to 180C



250 to 2000 watts (varies per product line)



120 to 480 volts, single phase



Up to 1379 kPa



CE, ETL (tested to UL823, UL499 and CSA C22.2)

**PROCESS
TECHNOLOGY**

ISO 9001:2015
WITH DESIGN CERTIFIED

Features & Values

- The SHB and SHC Series electric inline heaters are optimized to safely heat process chemistries through indirect contact instead of direct immersion and deliver superior temperature stability with changes in flow.
- Low-flow inline chemical and solvent heater for a variety of applications and industries including solvent heating, wafer cleaning, etching, stripping and IPA heating.
- Alternative to smaller cast aluminum inline heaters.
- Enhanced service life: Durable, heavy wall PTFE construction lasts substantially longer than comparable thin wall PFA housings.
- SHB series electropolished 316 stainless steel wetted surfaces suitable for heating solvents and alkaline chemicals.
- SHC series heater PFA wetted surfaces suitable for heating solvents, acidic chemicals, and IPA.
- Resistance heat or PTC (self-limiting) chips as a heat source offered.
- Flexible mounting - can be installed horizontally or vertically.

Specifications

Wattages 250 watts to 2000 watts (varies per product line).

Voltages 120 volts to 480 volts, single phase

Temperature Range Up to 180° C.

Pressure Range Up to 1379 kPa.

Fluid Connections 3mm, 6mm, 9mm or 12mm. Custom connections available.

Safety Features

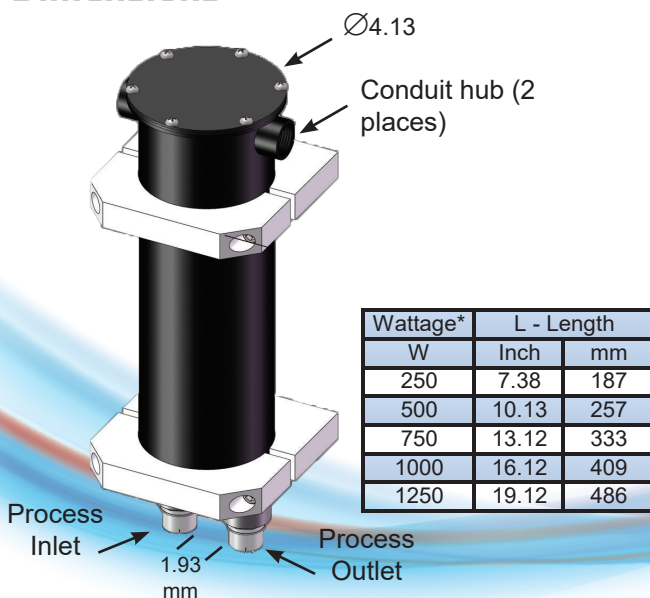
- Grounded metal construction
- Multiple element thermocouples or RTDs.
- Insulated housing
- Hermetically sealed high limit thermal cutoff device (TCO).
- Dual containment plumbing available as an option

Certifications CE, ETL (tested to UL 823, UL499 and CSA C22.2)

Model Number Breakdown

SH	C	.875	1	1	V
Series	Wetted Material	Wattage	Voltage	Phase	Inlet Plumbing Connections
SH = Solvent	B = 316SS (EP) C = Fluoropolymer	.25 = 250 .4 = 400 .5 = 500 .75 = 750 .8 = 800 .875 = 875 1 = 1000 1.2 = 1200 1.25 = 1250 1.4 = 1400 1.6 = 1600 2 = 2000	1 = 208V 2 = 240V 3 = 380V 4 = 400V 5 = 415V 6 = 480V 7 = 440V 8 = 575V 9 = 220V 10 = 200V 11 = skip 12 = 120V 13 = skip 14 = 600V 15 = 230V	1 = single phase	O = 5/16" Tube Stub (SHB Only) Q = 1/8" Super 300 Pillar R = 1/4" Super 300 Pillar T = 3/8" Super 300 Pillar V = 1/2" Super 300 Pillar

Dimensions



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