



SUPERIOR INDIRECT HEATING

The SHB/SHC, a low wattage inline chemical/solvent heater, delivers superior indirect heating with temperature stability. Using multiple temperature sensors and self-limiting technology, this heater ensures safe operation during low or no-flow conditions.



SHB/SHC

FEATURES

Engineered for Safety

- Optimized to safely heat chemicals and flammable solvents through indirect contact
- Redundant temperature sensors ensure safe operation
- PTC (self-limiting) heating technology standard

Advanced Cleanliness

- O-ring free and crevice free design eliminates source for contamination
- SHB series: Electropolished 316SS for solvents
- SHC series: PTFE & PFA wetted surfaces for acids and solvents

Designed for performance

- Allows for precise and stable temperature control
- Low watt density design for lower surface temperatures

Temperature: Up to 180° C (356° F)	Pressure: Up to 1379 kPa (200 PSI)			
Watts: 250W to 2000W	CE, ETL (tested to UL823 compliant, UL499 compliant and CSA C22.2)			
120 to 480 volts, Single phase				
Compatibility				
<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
acids	water	bases	solvents	gases

APPLICATIONS

- Semiconductor Wafer Cleaning
- Etching
- Inline Chemical Heating

SHB/SHC Chemical and Solvent Heater

SPECIFICATIONS

Wattages	250W to 2000W
Voltages	120 volts to 480 volts, single phase
Temperature Range	Up to 180°C (356° F).
Pressure	1379kPa (200 PSI) at 180°C (356° F)
Fluid Connections	3mm, 6mm, 9mm or 12mm. Custom connections available.

MODEL NUMBER BREAKDOWN

SH	C	.875	1	1	V	V	H
Series	Wetted Material	Wattage	Voltage	Phase	Inlet Plumbing Connections	Outlet Plumbing Connections	Element Sensor Type
SH = Solvent	B = 316SS (EP)	.25 = 250	1 = 208V	1 = single phase	O = 5/16" Tube Stub (SHB Only)	O = 5/16" Tube Stub (SHB Only)	K = K-type TC
	C = Fluoropolymer	.4 = 400	2 = 240V		Q = 1/8" Super 300 Pillar	Q = 1/8" Super 300 Pillar	E = E-type TC
		.5 = 500	3 = 380V		R = 1/4" Super 300 Pillar	R = 1/4" Super 300 Pillar	J = J-type TC
		.75 = 750	4 = 400V		T = 3/8" Super 300 Pillar	T = 3/8" Super 300 Pillar	H = 100-Ohm RTD (3-wire)
		.8 = 800	5 = 415V		V = 1/2" Super 300 Pillar	V = 1/2" Super 300 Pillar	R = 1000-Ohm RTD (2-wire)
		.875 = 875	6 = 480V				
		1 = 1000	7 = 440V				
		1.2 = 1200	8 = 575V				
		1.25 = 1250	9 = 220V				
		1.4 = 1400	10 = 200V				
		1.6 = 1600	11 = skip				
		2 = 2000	12 = 120V				
			13 = skip				
			14 = 600V				
			15 = 230V				

DIMENSIONS

Wattage*	L - Length	
	Inch	mm
250	7.38	187
500	10.13	257
750	13.12	333
1000	16.12	409
1250	19.12	486

