

MULTI-LOOP CHEMICAL HEATER

Engineered for your process - manage multiple chambers with one heater! Building off of the popular SHC product line, the Nexus incorporates the same safe indirect heating technology to heat multiple process loops. Using a single heat source, the Nexus improves chamber-temperature matching performance for advanced processing requirements.



FEATURES

Reduced complexity

- One set of controls for up to four process chambers.
- Small space requirements.

Designed for performance







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

Engineered for Safety

- Heats chemicals and flammable solvents through indirect contact.
- Patented purged housing for leak detection.

Advanced Cleanliness

- O-ring free and crevice free design eliminates source for contamination.
- All PFA wetted surfaces for acids and solvents.

 Temperature: Up to 80°C (176° F)	 Pressure: Up to 275 kPa (40 PSI)			
 Watts: 500W to 2000W	 Certifications: CE, UL 499 compliant			
 120-600 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 checked="" type="checkbox"/> NO
acids	water	bases	solvents	gases

APPLICATIONS

- Semiconductor wafer cleaning

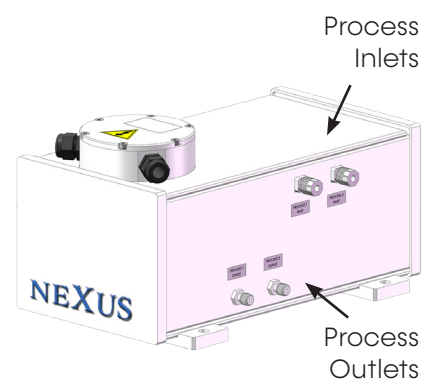
Nexus Multi-Loop Chemical/Solvent Heater

SPECIFICATIONS

Wattages	500 kW to 1400 kW
Voltages	120 volts to 480 volts, single phase
Temperature Range	Up to 80°C (176° F)
Pressure Range	Up to 275 kPa (40 PSI)
Fluid Connections	<p>Inlets:</p> <p>Low Flow: 6.3mm (¼") SP300 Nippon Pillar</p> <p>High Flow: 6.3mm (¼") SMC Hyperflare</p> <p>Outlets:</p> <p>Low Flow: 3.1mm(⅜") SP300 Nippon Pillar</p> <p>High Flow: 3.1mm (⅜") SMC Hyperflare</p>
Safety Features	<p>RTD core sensors</p> <p>Bi-mettalic over-temp sensor</p>

DIMENSIONS

NEXUS Dimensions		
	Inches	Millimeters
Width	9.25	235
Length	14.25	362
Height	7.64	194



MODEL NUMBER BREAKDOWN

NEX / 4L - 1.4 - 6 1 R Q H 1 - R										
Nexus Series	# flow paths & flow types	Wattage	Voltage	Phase	Inlet Connection	Outlet Connection	Sensor Type	TCO Rating	Element Type	
NEX = Multi-Loop Series	1L = 1 path low flow	.25 = 250	1 = 208	1 = single phase	Q = 3.1 mm Super 300 Pillar	Q = 3.1 mm Super 300 Pillar	H = RTD 100	1 = 90 C	R = Resistive	
	1H = 1 path high flow	.4 = 400	2 = 240		R = 6.3 mm Super 300 Pillar	R = 6.3 mm Super 300 Pillar			P = PTC	
	2L = 2 path low flow	.5 = 500	3 = 380		4 = 6.3 mm SMC Hyperflare	4 = 6.3 mm SMC Hyperflare				
	2H = 2 path high flow	.75 = 750	4 = 400		8 = 3.1 mm SMC Hyperflare	8 = 3.1 mm SMC Hyperflare				
	3L = 3 path low flow	.8 = 800	5 = 415							
	3H = 3 path high flow	.875 = 875	6 = 480							
	4L = 4 path low flow	1 = 1000	7 = 440							
	4H = 4 path high flow	1.2 = 1200	8 = 575							
		1.25 = 1250	9 = 220							
		1.4 = 1400	10 = 200							
		1.6 = 1600	12 = 120							
		2 = 2000	14 = 600							
			15 = 230							
			16 = 450							