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 up to four separate process loops. Using a single heat source, the Nexus improves chamber-temperature matching performance for advanced processing requirements.

**MULTI-LOOP!**

**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

**APPLICATIONS**

- Semiconductor Wafer Cleaning

<table>
<thead>
<tr>
<th>Compatibility</th>
<th>YES</th>
<th>YES</th>
<th>YES</th>
<th>YES</th>
<th>NO</th>
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<tbody>
<tr>
<td>acids</td>
<td>water</td>
<td>bases</td>
<td>solvents</td>
<td>gases</td>
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</table>

**DATA SHEET**

- Temperature: Up to 80°C
- Pressure: Up to 275 kPa
- Watts: 500W to 1400W
- CE, UL 499 compliant (pending)
- 120-480 Volts, single phase

**DS_Nexus_12162019**

call 1-440-974-1300 • visit processtechnology.com • or contact your local representative for more information
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 80º C

Pressure Range
Up to 275 kPa

Fluid Connections
Inlets:
Low Flow: 6.3mm (¼”)
SP300 Nippon Pillar
High Flow: 6.3mm (¼”)
SMC Hyperflare

Outlets:
Low Flow: 3.1mm (¼”)
SP300 Nippon Pillar
High Flow: 3.1mm (¼”)
SMC Hyperflare

Safety Features
RTD core sensors
Bi-metallic over-temp sensor

DIMENSIONS

<table>
<thead>
<tr>
<th>NEXUS Dimensions</th>
<th>Inches</th>
<th>Millimeters</th>
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<tbody>
<tr>
<td>Width</td>
<td>9.25</td>
<td>235</td>
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<tr>
<td>Length</td>
<td>14.25</td>
<td>362</td>
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<tr>
<td>Height</td>
<td>7.64</td>
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</table>

MODEL NUMBER BREAKDOWN

NEX / 4L - 1.4 - 6 1 R Q H 1 - R

Nexus Series
NEX = Multi-Loop Series

# Flow paths & flow types |
1L = 1 path low flow
1H = 1 path high flow
2L = 2 path low flow
2H = 2 path high flow
3L = 3 path low flow
3H = 3 path high flow
4L = 4 path low flow
4H = 4 path high flow

Wattage  Voltage  Phase  Inlet Connection  Outlet Connection  Sensor Type  TCO Rating  Element Type
25 = 250  1 = 208  1 = single phase  Q = 3.1 mm Super 300 Pillar  R = 6.3 mm Super 300 Pillar  H = RTD 100  1 = 90 C  R = Resistive  P = PTC
4 = 400  2 = 240  3 = 380  4 = 400  5 = 415  5 = 3.1 mm SMC Hyperflare  5 = 3.1 mm SMC Hyperflare
75 = 750  6 = 450  7 = 440  8 = 450  8 = 575  9 = 220
9 = 800  10 = 200  10 = 200
12 = 1200  12 = 120
125 = 1250  14 = 1400  16 = 1600
15 = 1600  15 = 1600
16 = 2000  16 = 2000

Process Inlets

Process Outlets

call 1-440-974-1300 • visit processtechnology.com • or contact your local representative for more information

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