Safely heat 4 process loops with one unit!

Provide heat to up to 4 separate process loops with one unit.

Reduced cost of ownership (1 set of controls/safeties needed)

Indirect heat for safe solvent heating

Superior temperature stability with changes in flow

Up to 80°C

500 to 2000 watts (varies per element type)

120 to 600 volts, single phase

Up to 276 kPa

CE, UL499 compliant

Per Loop -
Low flow: 50 - 300 mlpm
High flow: 200 - 1000 mlpm
**Features & Values**

- The Nexus Series electric inline heater is optimized to safely heat up to 4 process loops 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.
- All PFA wetted surfaces suitable for heating solvents including IPA, and acidic chemicals.
- No o-rings in the fluid path help maintain ultra-clean process flow.
- Low cost of ownership - Only 1 set of controls and safety required for up to 4 process loops.
- Reduced footprint needed in process tools.
- Patented purged housing for leak detection.

**Specifications**

- **Wattages**: 500 watts to 2000 watts (varies per element type)
- **Voltages**: 120 volts to 600 volts, single phase
- **Temperature Range**: Up to 80º C.
- **Pressure Range**: Up to 276 kPa.

**Fluid Connections**

- **Inlets**:
  - Low Flow: 6.3mm (¼") SP300 Nippon Pillar
  - High Flow: 6.3mm (¼") SMC Hyperflare

- **Outlets**:
  - Low Flow: 3.1mm (1/8") SP300 Nippon Pillar
  - High Flow: 3.1mm (1/8") SMC Hyperflare

**Safety Features**

- RTD core sensors.
- Bi-metallic over-temp sensor

**Certifications**

- CE, UL499 compliant

### Model Number Breakdown

<table>
<thead>
<tr>
<th>Nexus Series</th>
<th># flow paths &amp; flow types</th>
<th>Wattage</th>
<th>Voltage</th>
<th>Phase</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
<th>Sensor Type</th>
<th>TCO Rating</th>
<th>Element Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEX = Multi-Loop Series</td>
<td></td>
<td>25 - 250</td>
<td>1 = 208</td>
<td>1 = single phase</td>
<td>Q = 3.1 mm Super 300 Pillar</td>
<td>R = 6.3 mm Super 300 Pillar</td>
<td>1 = 90 C</td>
<td>R = Resistive</td>
<td></td>
</tr>
<tr>
<td>1L = 1 path low flow</td>
<td></td>
<td>4 - 400</td>
<td>2 = 240</td>
<td></td>
<td>3 = 380</td>
<td>4 = 400</td>
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<td></td>
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</tr>
<tr>
<td>1H = 1 path high flow</td>
<td></td>
<td>6 - 500</td>
<td>3 = 380</td>
<td></td>
<td>4 = 400</td>
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<tr>
<td>2L = 2 path low flow</td>
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<td>75 - 750</td>
<td>4 = 400</td>
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<tr>
<td>2H = 2 path high flow</td>
<td></td>
<td>8 - 800</td>
<td>5 = 415</td>
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<tr>
<td>3L = 3 path low flow</td>
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<td>1255 - 1259</td>
<td>6 = 480</td>
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<tr>
<td>3H = 3 path high flow</td>
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<td>7 - 700</td>
<td>7 = 440</td>
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<tr>
<td>4L = 4 path low flow</td>
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<td>1200 - 1200</td>
<td>8 = 476</td>
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<tr>
<td>4H = 4 path high flow</td>
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<td>1400 - 1400</td>
<td>9 = 220</td>
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<td></td>
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<td>1600 - 1600</td>
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<td>10 = 200</td>
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<td>2000 - 2000</td>
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<td>12 = 120</td>
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</table>

**Certifications**

- CE, UL499 compliant

### 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>
<td>194</td>
</tr>
</tbody>
</table>

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**NEXUS Dimensions**

- **Inches**: 9.25, 14.25, 7.64
- **Millimeters**: 235, 362, 194

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**PROCESS TECHNOLOGY**

- **NEXUS DATA SHEET**
- **Temperature Range**: Up to 80º C.
- **Pressure Range**: Up to 276 kPa.