

# NEXUS

## PRODUCT DATA SHEET

### Multi-loop Inline Heater

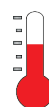
***Safely heat 4 process loops with one unit!***

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 80C



500 to 2000 watts (varies per element type)



120 to 600 volts, single phase



Up to 276 kPa



CE, UL499



Per Loop -  
Low flow: 50 - 300 mlpm  
High flow: 200 - 1000 mlpm

**PROCESS  
TECHNOLOGY**

ISO 9001:2015  
WITH DESIGN CERTIFIED

## 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 safeties required for up to 4 process loops.
- Reduced footprint needed in process tools.
- Patented purged housing for leak detection.

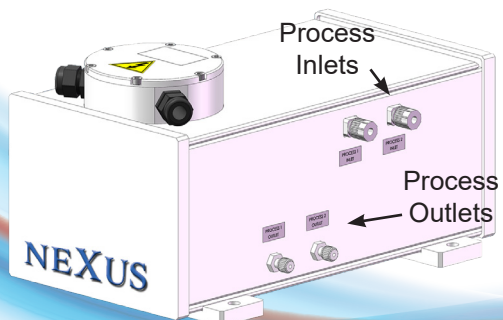
## Specifications

<b>Wattages</b>	500 watts to 2000 watts (varies per element type)
<b>Voltages</b>	120 volts to 600 volts, single phase
<b>Temperature Range</b>	Up to 80° C.
<b>Pressure Range</b>	Up to 276 kPa.
<b>Fluid Connections</b> Low flow: 50 - 300 mlpm High flow: 200 - 1000 mlpm	<b>Inlets:</b> Low Flow: 6.3mm (¼") SP300 Nippon Pillar High Flow: 6.3mm (¼") SMC Hyperflare <b>Outlets:</b> Low Flow: 3.1mm(⅛") SP300 Nippon Pillar High Flow: 3.1mm (⅛") SMC Hyperflare
<b>Safety Features</b>	RTD core sensors. Bi-metallc over-temp sensor
<b>Certifications</b>	CE, UL499

## Model Number Breakdown

NEX	/	4L	-	1.4	-	6	1	R	Q	H	1	-	R
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 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		.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 = 208 2 = 240 3 = 380 4 = 400 5 = 415 6 = 480 7 = 440 8 = 575 9 = 220 10 = 200 12 = 120 14 = 600 15 = 230 16 = 450	1 = single phase	Q = 1/8" Super 300 Pillar R = 1/4" Super 300 Pillar 4 = 1/4" SMC Hyperflare 8 = 1/8" SMC Hyperflare	Q = 1/8" Super 300 Pillar R = 1/4" Super 300 Pillar 4 = 1/4" SMC Hyperflare 8 = 1/8" SMC Hyperflare	H = RTD 100	1 = 90 C	R = Resistive P = PTC	

## Dimensions



NEXUS Dimensions		
	Inches	Millimeters
<b>Width</b>	9.25	235
<b>Length</b>	14.25	362
<b>Height</b>	7.64	194

**PROCESS  
TECHNOLOGY**