

LPH UHP 250/375 Series

for Ultra High Purity

Applications

- Ultra High Purity Gases

Key Features

- Compact Size
- Tube Stub

Features

- Close On/Off Differential
- No Seals
- Internal Finish to 10RA
- 316L Stainless Steel Materials
- Senses High/Low Flow Conditions
- Switch Contact Output
- In-Line Vertical Plumbing
- Confirms Normal Flow Conditions

Operations

As flow is established upward through the unit and continues to increase, the pressure differential across the magnetic piston increases until it overcomes the small piston's resistance. This causes it to progress fully upward which actuates a hermetically sealed reed switch.

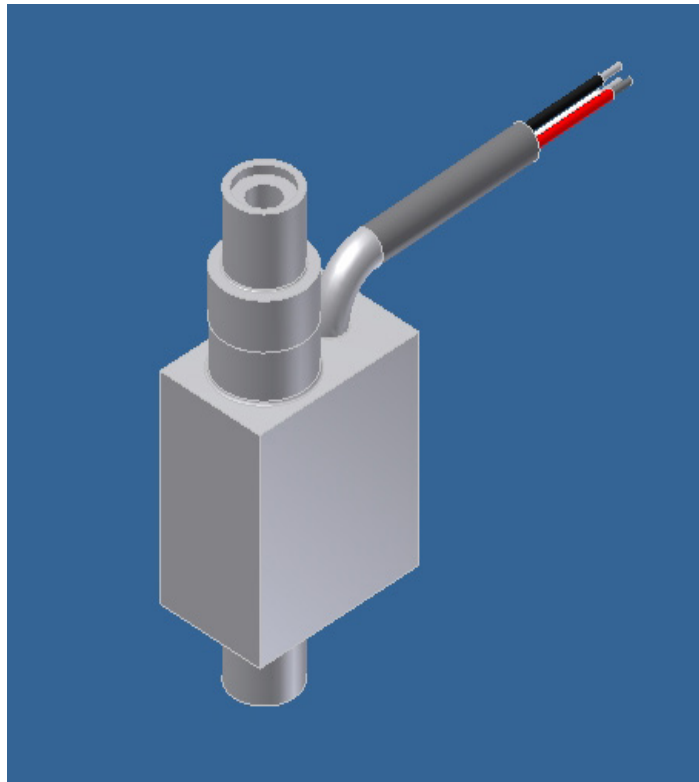
Features

- Actuation Points for Nitrogen on increasing flow (see graph)
- Deactuation Points averages 10% less than actuation point
- Flow Setting Accuracy $\pm 10\%$ of actuation points shown
- Repeatability $\pm 1\%$
- Unit will pass greater flows

| Specifications | | | | |
|----------------|---------------------|----------------------------------|----------------------------|---------------------------------------|
| Model | Weight Lbs. (Kg) | Max Working Pressure PSIG (barg) | Wetted Parts | Leak Check |
| LPH-UHP | 0.3 lb/ 0.134 kg | 4000 PSIG (275.8 barg) | 316L Stainless Steel | 1x10(-9) atm. ccHe/sec in board |

Installation

Mount vertical with inlet port down.



| Switch Data | SPDT UL File #E471070 |
|-------------------------------|--------------------------|
| Maximum Switching Voltage | |
| DC (V) | 175 |
| AC (V) | 120 |
| Contact Rating | |
| DC (W) | 5 |
| AC (VA) | 5 |
| Maximum Switching Current (A) | |
| DC (A) | 0.25 |
| AC (A) | 0.18 |

*Above values for resistive loads only. For inductive loads, surge current & rush current contact protection is required.

Leads

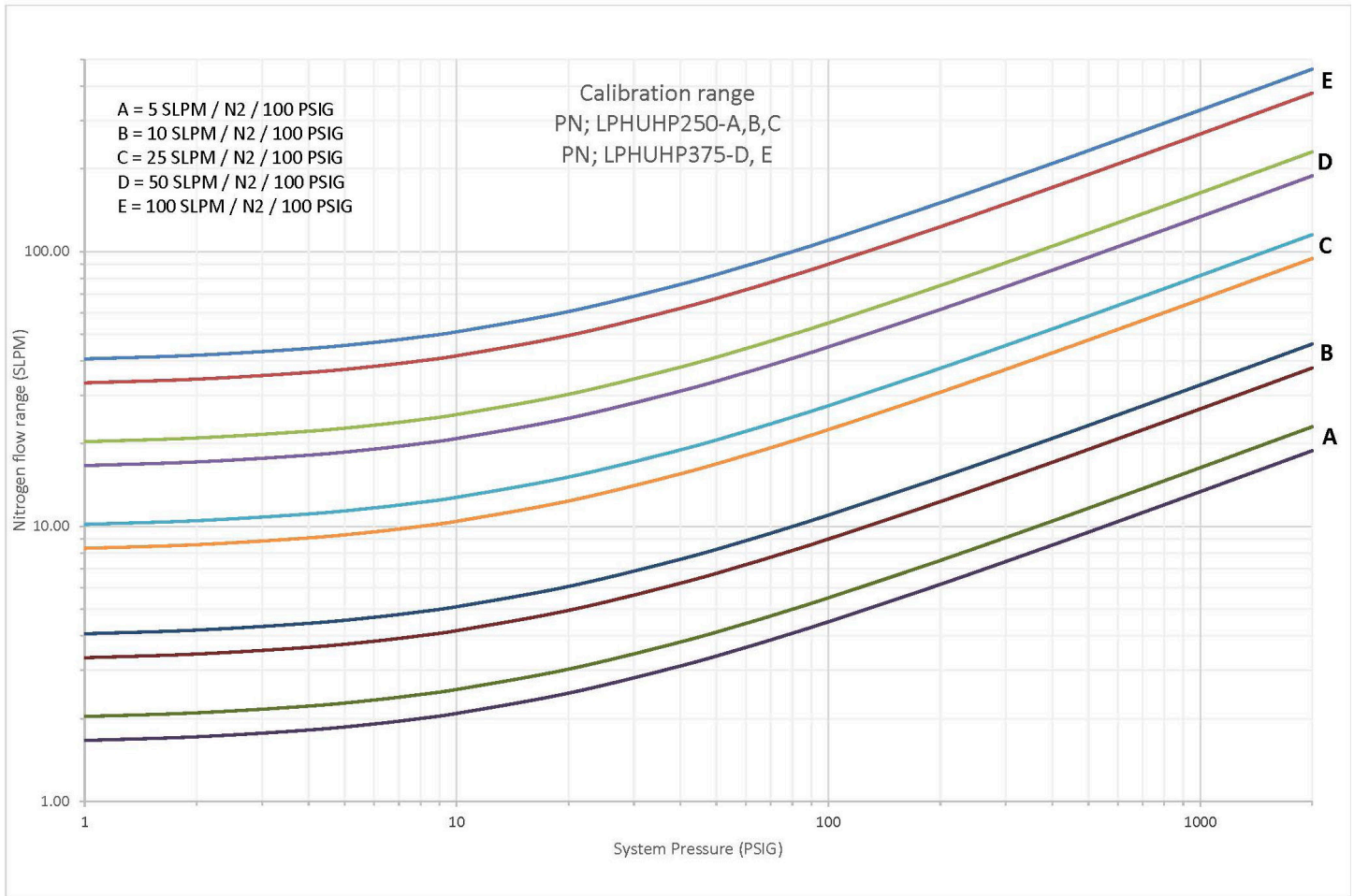
- 36" min. from body; 22 AWG PVC jacketed wire
- black: N.O., red: N.C., white: common

Temperature Operating Range

- -40° to 220°F; (-40° to 105°C)

*Users are solely accountable for product selection, regardless of any recommendations or suggestions provided by ChemTec Equipment Company, Inc. Users should base product selection on their own analysis and testing to determine functionality and material compatibility in relation to their application. To ensure safe and trouble-free performance, it is essential to adhere to proper installation, operation, and maintenance procedures.

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How to Order

| Model | Calibration Range | Ports |
|-------------|-------------------|--------------------------------------|
| LPH UHP 250 | A, B or C | T4 - 1/4 OD TUBE T6 - 3/8 OD TUBE |
| LPH UHP 375 | D or E | T4 - 1/4 OD TUBE T6 - 3/8 OD TUBE |

*Contact factory for more options.

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