



## LPH-UHP Series

### Applications

Semi-Conductor Gases

### Key Features

Compact Size

Ultra High Purity

### Features

Close On/Off Differential

No Seals

EP to 10RA

316L Stainless Steel Materials

Senses High/Low Flow Conditions

Switch Contact Output

In-Line Vertical Plumbing

Confirms Normal Flow Conditions

### Operation

As flow is established upward through the unit and continues to increase, the pressure differential across the grooved magnetic piston increases until it overcomes the small piston's resistance. This causes it to progress fully upward which actuates the dry reed switch. This is a snap action and occurs in the decreasing mode as well.

### Operation Features

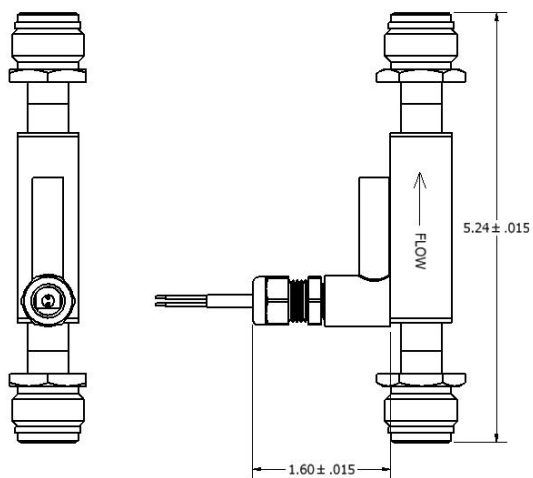
Actuation Points for Nitrogen on increasing flow (see graph)

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



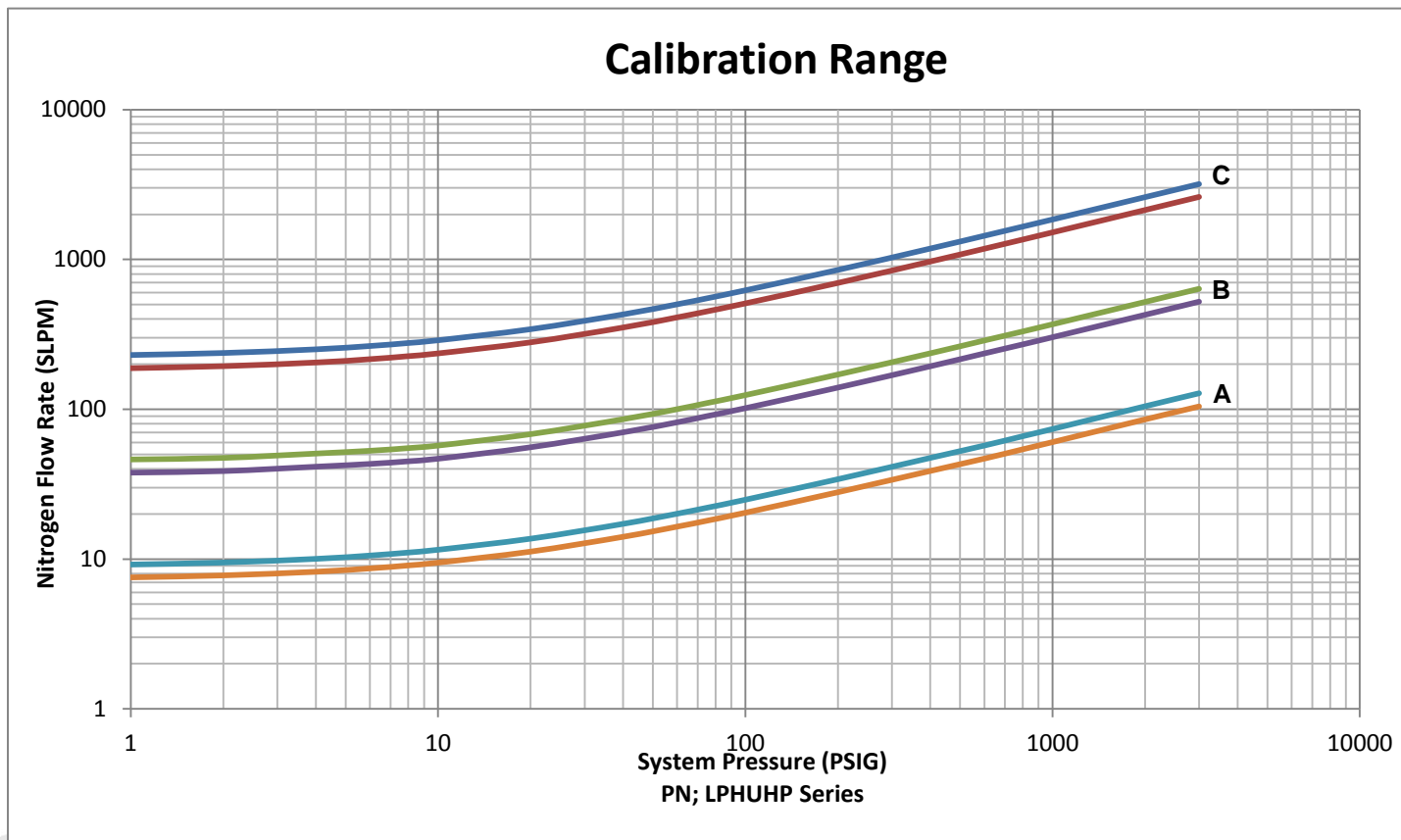
  
**ChemTec**  
[www.ChemTec.com](http://www.ChemTec.com)

3077 S.W. 13th Drive, Deerfield Beach, Florida 33442



## LPH-UHP Series

### Calibration Range



#### Switch Data:

**SPST**- Max. switch voltage- DC(V) 200, AC(V) 150; Contact rating DC(W) 50, AC(VA) 70; Max. switch current- DC(A) 1.0, AC(A) 0.7

**SPDT**- Max. switch voltage DC(V) 175, AC(V) 120; Contact rating- DC(W) 5, AC(VA) 5; Max switch current- DC(A) 0.25, AC(A) 0.25

#### Leads

**SPST**- 36" min. from body; 22 AWG PVC red, black jacketed wire

**SPDT**- 36" min. from body; 24 AWG PVC jacketed wire- black: N.O., red: N.C.; white: common

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

#### Specifications:

Wetted Parts- 316L Stainless steel

Weight- 0.5 lb/ 0.23 kg

Max Working Pressure- 3000 PSIG (206.8 barg)

**Fluid Ports**- 1/2" MVCR (8)

**Leak Check**- 1 x 10 atm.ccHe/sec in board

**Temperature Operating Range**- -40° - 220° F; (-40° to 105° C)

**Installation**- Mount vertical with inlet port down

#### How to Order:

<u>Model</u>	<u>Calibration Range</u>	<u>Switch</u>
LPH-UHP-8	A, B, or C	N.C. or SPDT

