

## PT100 Series Throttling Pneumatic Level Control Switches

Application – High & Low Pressure Control; working 1500 psi to 5000 psi

- Pneumatic float-actuated switch for High or Low Level Alarms and for Throttling Valves
- Use on production separators, heaters/treaters, scrubbers, liquid accumulators & process vessels in most applications
- Stainless Steel construction for use with most Liquids or Liquid interfaces
- Low Specific Gravity of .4 and above
- Throttling output 3 – 15 psi with 20 psi supply
- Direct mounting inside vessel or External Float Cage



### Features

- Durability and Dependability in every component
- Pneumatics are fully isolated for added Safety
- Standard 316 Stainless Steel wetted components for corrosion resistance
- Optional materials available for added corrosion resistance as required
- Choice of Displacers to meet various pressure applications
- Design features ensure no leakage of process fluid into the surrounding environment with no need for seals; adding to Safety

### Specific Benefits of the Pathway PT100

- Economical small-float installation
- Direct-acting or Indirect Acting achieved by simply inverting the level control
- Excellent Serviceability and Ease of Repair with Quick-change replacement parts

### Specifications

- 316 Stainless Steel Wetted Components
- 20 psi to 30 psi supply pressure
- 1500 psi to 5000 psi working pressure
- 2" NPT standard process connection
- 3" Flanged or larger available
- External cage option

### Benefits of ALL Pathway Control Products

- Personalized service and support expertise
- Time-tested & proven design providing dependability and reliability in the field
- Custom applications welcomed to meet your needs
- Responsive, On-time delivery
- Quality built in

## PT100 Series

# Throttling Pneumatic Level Control Switches

**Specifications:**

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| <p>Output: Throttling from 3 to 15 psi</p> <p>Working Pressure: 1500 psi; available up to 5000 psi</p> <p>Supply Pressure: 20 psi minimum; 30 psi maximum</p> <p>Temperature: -40° F to +450° F</p> <p>Specific Gravity: 0.4 minimum</p> <p>Materials: 316 Stainless Steel Wetted components; available in Monel, Teflon Coated, Hastelloy C, and Alloy 20</p> <p>Connections:</p> <p style="padding-left: 20px;">Process: 2" NPT standard, available 3" flanged or larger, available externally caged</p> <p style="padding-left: 20px;">Supply: 1/8" NPT</p> <p style="padding-left: 20px;">Output: 1/8" NPT</p> | <p>High &amp; Low Pressure Control; working 1500 psi to 5000 psi</p> |
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**Ordering Chart:**

|   |  |  |
|---|--|--|
| <p>PT 100 Series: Pneumatic Level Control Switch</p> <p>PT100C:</p> <p>Body Style:</p> <p style="padding-left: 20px;">0</p> <p>Type:</p> <p style="padding-left: 20px;">1</p> <p style="padding-left: 20px;">2</p> <p style="padding-left: 20px;">3</p> <p style="padding-left: 20px;">4</p> <p>Other:</p> <p style="padding-left: 20px;">02:</p> <p style="padding-left: 20px;">05:</p> <p>Option ( ):</p> | <p>External cage added 1500 psi std. working pressure; Available to 3000 psi working pressure</p> <p>Standard 2" NPT on PT100; Ring bolt on PT100C</p> <p>Standard</p> <p>High pressure 5000 psi polypropylene displacer, (3000 psi working pressure maximum on PT100C), +180° F maximum temperature; specific gravity 0.6 min.</p> <p>Interface 5000 psi polypropylene displacer, (3000 psi working pressure maximum on PT100C); +180° F maximum temperature, upper fluid less than .870 specific gravity; lower fluid more than .970 specific gravity</p> <p>Customer to specify other specific gravity as needed for fluid Interface, both upper and lower</p> <p>Annulus plug</p> <p>Customer Specified Requirements (such as flange size)</p> <p>Assigned based upon Customer Specific requirements</p> | <p><b>Example:</b></p> <div style="border: 1px solid black; padding: 5px; display: inline-block;">PT100-</div><br><div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 10px;">0</div><br><div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 10px;">1</div><br><div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 10px; margin-top: 20px;">02</div> |
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**Example as Selected**

**PT100- 01- 02**