P110 Series
Snap Acting Pneumatic Level Control

Application – High & Low Liquid Level Control; WP 1500 psig to 5000 psig

- Float-actuated Snap Acting Pneumatic switch for High or Low Level Control or to operate Control Valves
- Use on production separators, heaters/treaters, scrubbers, liquid accumulators & process vessels
- Stainless Steel construction for use with most Liquids or Liquid interfaces
- Low Specific Gravity of .4 and above
- Snap Acting from 0 to full supply
- Direct mounting inside vessel or External Float Cage

Features and Benefits of the Pathway P110

- Durable, Dependable 316 SS wetted components for Corrosion Resistance
- No Internal Seal used thus eliminating the possibility of process fluid leakage
- Few moving parts for Reduced Maintenance and long term Performance
- Economical small-float installation
- Displacer options for various Pressure, Specific Gravity and Interface applications
- Replaceable Snap Acting Pilot
- Direct-acting or Indirect Acting achieved by simply inverting the level control
- Manual Override option for Field Testing

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>Snap Acting from 0 to Full Supply</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>1500 psig; available up to 5000 psig; 1500 psig with manual override</td>
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<tr>
<td>Supply Pressure</td>
<td>30 psig to 60 psig std; available 15 psig to 40 psig; 50 psig to 100 psig</td>
</tr>
<tr>
<td>Temperature</td>
<td>-40º F to +450º F</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.4 minimum</td>
</tr>
<tr>
<td>Materials</td>
<td>316 Stainless Steel Wetted Components; optional materials available</td>
</tr>
<tr>
<td>Process Connection</td>
<td>2” NPT standard, Ring Bolt on P110C, 3” flanged or larger</td>
</tr>
<tr>
<td>Supply/Output Connection</td>
<td>1/8” NPT</td>
</tr>
</tbody>
</table>

P110 Common Options

- Manual Override for Field Testing
- 316 SS & 304 SS flange connection
- 15 psig to 40 psig or 50 psig to 100 psig supply

- Monel float
- Stainless Steel vent
- Annulus Plug for use with sediments

Benefits of ALL Pathway Control Products

- Personalized service and support expertise; Responsive, On-time Delivery
- Time-tested & proven design providing Dependable, Long-term service
P110 Series
Snap Acting Pneumatic Level Control

Dimensions:

Ordering Chart:

Example:
P110 Series: Snap Acting Pneumatic Level Control
P110C: Ring Bolted External Cage; WP 1500 psig to 3000 psig (body style 0)

Body Style:
0 2" NPT standard body; Ring bolted body on P110C

Displacer Type:
1 316 SS standard float, WP 1500 psig, 0.4 SG minimum
2 Polypropylene high pressure displacer, WP 5000 psig standard,
  3000 psig on P110C, +180º F max temp, 0.6 SG min
3 Interface Polypropylene displacer, WP 5000 psig standard,
  3000 psig max on P110C, +180º F max temp, upper fluid
  < .870 SG; lower fluid > .970 SG
4 Customer defined SG for upper and lower fluid interface

Other:
00 No other options
02: Annulus plug
05: Customer Specific Requirements (see P110 Common Options)

Option (#): Assigned # for Customer Specific Requirements

Example as Selected

P110 - 01 - 00