

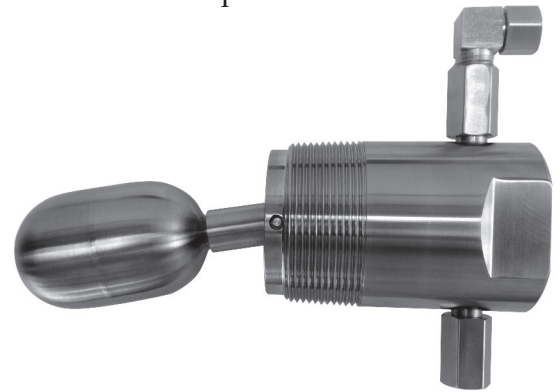
P120 Series Snap Acting Non-Bleed Pneumatic Level Control

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

- Float-actuated Pneumatic Switch for High or Low Level control
- 316 Stainless Steel construction for use with most Liquids or Liquid interfaces
- Low Specific Gravity of 0.5 and above; 0.4 with counterweight
- Interface as low as 0.1 Specific Gravity differential
- Direct mounting inside vessel or External Float Cage
- Use on production separators, heaters/treaters, scrubbers, liquid accumulators & process vessels
- Snap Acting Non-Bleed from 0 to full supply

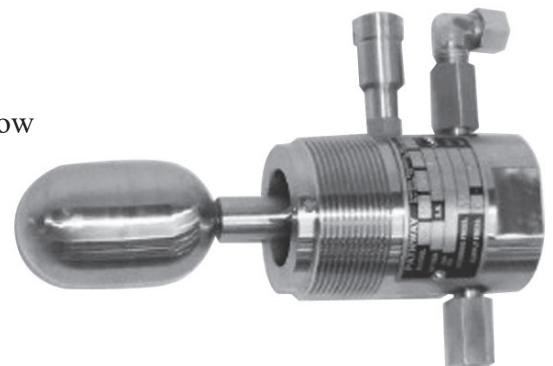
Features and Benefits of the P120 Series

- Manual Override available for in-service Field Testing
- Durable, Dependable 316 SS wetted components for Corrosion Resistance
- Few Moving Parts for Reduced Maintenance and long term Performance
- No Internal Seal used on standard body thus eliminating the possibility of process fluid leakage
- Excellent Serviceability with Quick-change replacement parts
- Displacer options for various Pressure, Specific Gravity and Interface applications
- Direct-acting or Indirect-acting simply by altering the supply and exhaust connections



P120 Common Options

- 1½" NPT process connection
- 316 SS and 304 SS flanged connections
- Float Arm Extensions on standard and extended body styles
- Counterweight for Lower S.G.
- Extended body with horizontal or vertical displacer
- Annulus Plug for use with sediments
- VB100 Series Volume Booster for increased pneumatic output flow
- SS Lanyard & Tag

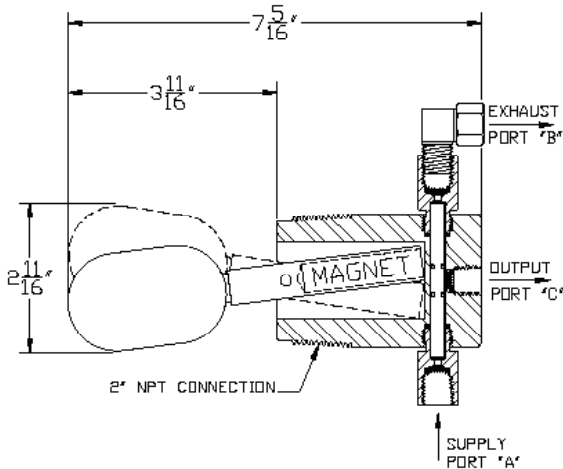


Benefits of ALL Pathway Control Products

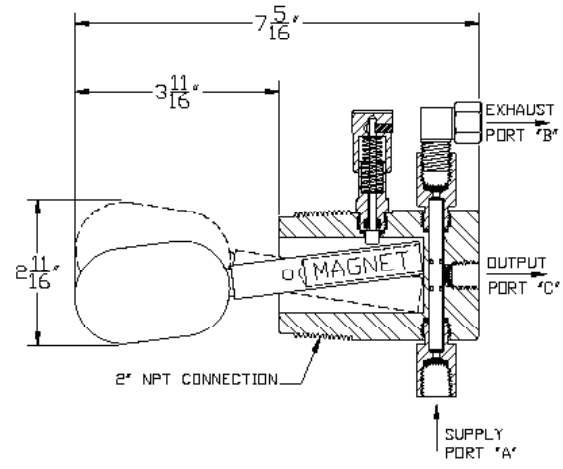
- Personalized service and support expertise
- Responsive On-time Delivery
- Time-tested & proven design providing Dependable, Long-term service
- Made in USA

P120 Series
Snap Acting Non-Bleed Pneumatic Level Control

Sample Models



P120-11-10



P120-21-10

Specifications

Working Pressure: 1500 psig; available up to 5000 psig; 1500 psig with manual override
1500 psig to 3000 psig with Ring Bolted Cage

Output: Snap Acting, Non-Bleed from 0 to Full Supply

Supply Pressure: Up to 30 psig; Up to 60 psig; Up to 100 psig

Temperature: -40° F to +450° F with SS float; 180° F max with polypropylene displacer

Specific Gravity: 0.5 minimum; lower SG available; interface 0.1 differential

Materials: 316 Stainless Steel Wetted components; optional materials available

Process Connection: 2" NPT standard, 1 1/2" NPT, Ring Bolted on P120C, 3" flanged or larger

Supply/Output Connections: 1/4" NPT

P120 Series

Snap Acting Non-Bleed Pneumatic Level Control

Ordering Chart Example:

P120- 1 1 - 1 0

(#) Option #, see Special Materials & Features below

| P120 SERIES |
|--|
| Pneumatic Level Control |
| or |
| P120C |
| Ring Bolted Body with External Cage, WP 1500 psig to 3000 psig (body style 0) |

| BODY STYLE | |
|----------------------------------|---|
| 0 | 1½" NPT body; or Ring bolted body on P120C (no manual override) |
| 1 | 2" NPT standard body |
| 2 | 2" NPT, manual override* |
| 3 | Extended body, 2" NPT, vertical displacer / float (type 3, 7, 8, 9) |
| 4 | Extended body, 1½" NPT, manual override*, horizontal displacer/float (type 3, 9) |
| 6 | Extended body, 2" NPT, manual override*, vertical displacer (type 3, 7, 8, 9) |
| 7 | Extended body, 2" NPT, horizontal displacer/float (type 3, 7, 8, 9) |
| 8 | Extended body, 2" NPT, manual override*, horizontal displacer/float (type 3, 7, 8, 9) |
| 9 | 1½" NPT body, manual override*, float /displacer (type 1 or 2) |
| *WP 1500 psig on manual override | |

| FLOAT/DISPLACER TYPE | |
|----------------------|---|
| 1 | 316 SS standard float, WP 1500 psig; 0.5 SG min (body style 0, 1, 2, 9) |
| 2 | Polypropylene high pressure displacer, WP up to 5000 psig, 3000 psig on P120C; +180° F max temp; 0.6 SG min. (body style 0, 1, 2, 9) |
| 3 | Interface Polypropylene displacer, WP up to 5000 psig, 3000 psig on P120C; +180° F max temp; upper fluid < .870 SG, lower fluid > .970 SG |
| 4 | Customer defined SG for upper and lower fluid interface |
| 6 | 316 SS higher pressure float, WP 2000 psig |
| 7 | 316 SS 2"x 6" float, WP 250 psig |
| 8 | 316 SS 2"x 6" float, WP 1500 psig |
| 9 | Polypropylene high pressure displacer, WP up to 5000 psig; +180° F max temp; 0.5 SG min (extended body style 3, 4, 6, 7, 8) |

| OTHER SELECTIONS <i>(add as needed)</i> | |
|---|--|
| 0 | No other options |
| 2 | Annulus plug |
| 3 | VB100 Series Volume Booster (303 Stainless Steel) |
| 5 | Customer Specified Requirements <i>For Example:</i> Stainless steel flanged connection (304 SS & 316 SS) Standard Counterweight for lower SG Float arm extension (specify length) Extended cable length for vertical float/ displacer Monel, smaller size float Weld SS float to float arm Ring bolted body without external cage Cable pull for manual override ID tag with lanyard (304 SS & 316 SS) |

| SUPPLY PRESSURE | |
|-----------------|---|
| 1 | 30 psig (flow rate 40 scfh at 30 psig) |
| 2 | 60 psig (flow rate 25 scfh at 30 psig) |
| 3 | 100 psig (flow rate 15 scfh at 30 psig) |

| SPECIAL MATERIAL & FEATURES | |
|-----------------------------|---|
| 5 | Used by Pathway to indicate custom material and/or feature. Placed in model number in the position it relates to. When used, an option number will be assigned by Pathway (see below) |
| (#) | Option # (in parentheses at end of model number) Pathway will assign option number unique to custom material and/or features |