SS250A Air Valve

Need a Valve That Can Last?

Then you need Humphrey’s SS250A Air Valve, featuring our exclusive double diaphragm design in 2-way and 3-way models only. Its stainless steel body is perfect for use where corrosion, chemical, and temperature resistance are a primary consideration.

**Features:**
- Simple and Reliable
- Pressure operated
- Spring and pressure returned
- No O-rings
- No sliding seals
- No lubrication required
- No sticking
- Tolerates clean/dry or dirty/wet air
- Short stroke (.060")
- Fast response
- 1/4-inch NPT
- Full 1/4-inch orifice
- High air flow
- Compact size
- Mounts in any position

**Applications:**
- Exterior environments compatible with valve materials, specs and design
- Offshore
- Onshore
- Process control
- Instrumentation
- Panel work
- Non-lubricated or lubricated applications
- Ships
- Trucks
- Other vehicles
- Clean rooms
- Processing
- Washdown areas
- Infrequent and/or rapid cycling applications
Specifications

MEDIA:
- Air or inert gasses

PRESSURE RANGE:
- Normally closed........... 0-125 PSIG
- Normally open.............0-60 PSIG
- Optimum cycle life...... to 60 PSIG

TEMPERATURE RANGE:
- 0°F to 400°F (-17.7°C to 204°C)

AIR FLOW (SCFM to atmosphere):
- Multiply PSIG x 0.6

OPERATING SPEEDS:
- To 600 CPM

WEIGHT..............................11.5 OZ

<table>
<thead>
<tr>
<th>Min. Pilot Pressure Requirements (PSIG)</th>
<th>Valved Pressure</th>
<th>Normally Closed</th>
<th>Normally Open</th>
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</thead>
<tbody>
<tr>
<td>SS250A</td>
<td>15</td>
<td>18</td>
<td>20</td>
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<tr>
<td>Length of Pilot Line</td>
<td>5&quot; 10&quot; 20&quot; 30&quot;</td>
<td>.170 I.D.</td>
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<tr>
<td>10 Inch³ Chamber</td>
<td>Fill 0-80</td>
<td>Exhaust 100-20</td>
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<td>Minimum Pilot Pressure</td>
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</tbody>
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Materials:
- A. Viton® "A" 70 ± 5 durometer Shore "A" scale
- B. 316 Stainless Steel, except 302 Stainless Steel (passivated) spring and PH-7Mo Stainless Steel retaining rings

Mounting Base:
- Part No. 8-20A Order separately.
- 2.250" sq. w/four .218 dia. holes on 1.593 centers.
- Attach to valve over 1.559 dia.
- Flat black painted mild steel w/four zinc plated #6-32 screws.