Features

- Ideal for oil and gas control panel applications
- Drop-in replacement design - compatible with most existing applications which eliminates the need to modify existing designs
- NACE compliant
- Corrosion resistant - 316L Stainless Steel valve materials make it ideal for offshore and harsh environments
- Extensive manual and pneumatic options including Main Supply Reset versions
- Rated for air, natural gas and hydraulic oil (Grade 32)

Construction

<table>
<thead>
<tr>
<th>Valve Parts in Contact with Fluids</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body</td>
</tr>
<tr>
<td>316L Stainless Steel</td>
</tr>
<tr>
<td>Spring</td>
</tr>
<tr>
<td>Ni-Co Alloy</td>
</tr>
<tr>
<td>Seals</td>
</tr>
<tr>
<td>FKM</td>
</tr>
<tr>
<td>Spool</td>
</tr>
<tr>
<td>316L Stainless Steel</td>
</tr>
</tbody>
</table>

Nominal Ambient Temperature Range

Air, natural gas pilot: -10°F to 203°F (-23°C to 95°C)
Hydraulic oil pilot: 14°F to 203°F (-10°C to 95°C)

Refer to Engineering Section for details.
Ordering

Function

07  Pilot Operated/Spring Return
13  Double Pilot
16  Button Operated (guarded)/Spring Return
17  Button Operated (unguarded)/Spring Return
18  Palm Button with Pilot/Manual Return
19  Palm Button with Pilot/Spring Return
20  Palm Button with Air Latch Pilot/Spring Return
21  Latching Palm Button with Pilot/Spring Return
22  Latching Palm Button with Remote Air Latch Pilot/Spring Return
24  Indicating Palm Button with Air Latch Pilot/Spring Return
26  Indicating, Latching Palm Button with Air Latch Pilot/Spring Return
27  Indicating, Latching Palm Button with Pilot/Spring Return
28  Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return
29  Latching Palm Button with Air Latch Pilot/Spring Return

Construction / Pilot

0  Normally Closed / Externally Piloted
1  Normally Open / Externally Piloted
2  Normally Closed, Closed Center / Externally Piloted
7  Detent / Externally Piloted

Manually Operated

Button (guarded/unguarded)/Spring Return

Palm Button with Pilot/Manual Return

Palm Button with Air Latch Pilot/Spring Return

Double Pilot

Manual Reset Options - Non Indicating

Palm Button with Air Pilot/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Latching Palm Button with Air Pilot/Spring Return

Latching Palm Button with Remote Air Latch Pilot/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return

Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating, Latching Palm Button with Air Latch Pilot/Spring Return

Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/Spring Return
### Specifications  English units (Metric)

<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Min.</td>
<td>Max.</td>
<td>Air/Natural Gas</td>
<td>Hydraulic oil (Grade 32)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Normally Open / Externally Piloted</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/4</td>
<td>1.1 (0.95)</td>
<td>200 (13.8)</td>
<td>-</td>
<td>-</td>
<td>203 (95)</td>
<td>Button Operated (guarded)/Spring Return</td>
<td>1</td>
</tr>
<tr>
<td>1/4</td>
<td>1.1 (0.95)</td>
<td>200 (13.8)</td>
<td>-</td>
<td>-</td>
<td>203 (95)</td>
<td>Button Operated (unguarded)/Spring Return</td>
<td>2</td>
</tr>
<tr>
<td>1/4</td>
<td>1.1 (0.95)</td>
<td>200 (13.8)</td>
<td>36 (2.5)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Pilot Operated/Spring Return</td>
<td>3</td>
</tr>
<tr>
<td><strong>Normally Closed, Closed Center / Externally Piloted</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/4</td>
<td>0.8 (0.71)</td>
<td>200 (13.8)</td>
<td>-</td>
<td>-</td>
<td>203 (95)</td>
<td>Button Operated (guarded)/Spring Return</td>
<td>4</td>
</tr>
<tr>
<td>1/4</td>
<td>0.8 (0.71)</td>
<td>200 (13.8)</td>
<td>36 (2.5)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Pilot Operated/Spring Return</td>
<td>5</td>
</tr>
<tr>
<td>1/4</td>
<td>0.8 (0.71)</td>
<td>200 (13.8)</td>
<td>15 (1)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Palm Button with Pilot/Manual Return</td>
<td>6</td>
</tr>
<tr>
<td><strong>Detent / Externally Piloted</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>-</td>
<td>-</td>
<td>203 (95)</td>
<td>Button Operated (guarded)/Spring Return</td>
<td>1</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>-</td>
<td>-</td>
<td>203 (95)</td>
<td>Button Operated (unguarded)/Spring Return</td>
<td>7</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Pilot Operated/Spring Return</td>
<td>3</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Pilot Button with Pilot/Manual Return</td>
<td>6</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Latching Palm Button with Pilot/returned</td>
<td>8</td>
</tr>
<tr>
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<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating, Latching Button with Pilot/return</td>
<td>10</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating Palm Button with Pilot/return</td>
<td>11</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating, Latching Palm Button with Pilot/return</td>
<td>13</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating Palm Button with Air Latch Pilot/return</td>
<td>11</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
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<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating, Latching Palm Button with Pilot/return</td>
<td>13</td>
</tr>
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<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating Palm Button with Air Latch Pilot and Loss of Pressure Trip/return</td>
<td>11</td>
</tr>
<tr>
<td>1/4</td>
<td>1.6 (1.38)</td>
<td>200 (13.8)</td>
<td>25 (1.7)</td>
<td>200 (13.8)</td>
<td>203 (95)</td>
<td>Indicating Palm Button with Remote Air Latch Pilot/return</td>
<td>14</td>
</tr>
</tbody>
</table>

*When Pilot Media is Air and Main Valve Media is Hydraulic Oil: Min. Pilot Pressure is 70 psi (4.8 bar)

**When Pilot Media is Hydraulic Oil and Main Valve Media is Hydraulic Oil: Min. Pilot Pressure is 90 psi (6.2 bar)
Dimensions: inches (mm)

Const. Ref. 1

Const. Ref. 2
Dimensions: inches (mm)

Const. Ref. 3

Const. Ref. 4
Dimensions: inches (mm)

Const. Ref. 5

Const. Ref. 6
**Dimensions:** inches (mm)

### Const. Ref. 7

![Diagram of Const. Ref. 7]

### Const. Ref. 8

![Diagram of Const. Ref. 8]
Dimensions: inches (mm)

**Const. Ref. 9**

**Const. Ref. 10**

Visit our website at ASCO.com or contact us at (800) 972-2726
Dimensions: inches (mm)

Const. Ref. 11

Const. Ref. 12
Dimensions: inches (mm)

Const. Ref. 13

Const. Ref. 14
Dimensions: inches (mm)

Const. Ref. 15

Dimensions:
- 2.02 [51]
- 1.00 [25.4]
- 0.50 [12.7]
- 1.3 [32]
- 4.46 [113]
- 1.32 [33.4]
- 0.66 [16.7]
- 0.94 [24]
- 1.39 [35]
- 0.27 [6.8]

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