Pressure/Vacuum Pipeaway Assemblies with Switches

Oxygen | N₂O | Air | CO₂ | N₂ | Vacuum

FEATURES AND BENEFITS

• NEMA 4 Water Tight Enclosure
• Tamper-proof External Adjustment
• Normally Open or Normally Closed Contacts
• Snap-action Switching Elements
• N₂ Typically Used for Clinical Nitrogen Systems
• 3.90 - 250 psi Range
• 1.60 - 30.0” Hg

SPECIFICATIONS

High/low pressure switches for oxygen, nitrous oxide, nitrogen, medical air and carbon dioxide shall be Ohio Medical® series. The Pressure switch incorporates Underwriters Laboratories Inc. listed single pole double throw snap action switching elements. The switch shall be in a Nema 4 watertight housing and have an adjustable range of 3.90 to 80 psig and have an approximate actuation value (differential) of 1.60 to 3.40 psig. The switch shall be oxygen cleaned and have a continuous inductive rating of 10 amps 125 or 250 volts AC, 3 amps 480 volt AC. The switch may be wired “normally open” or “normally closed”. It has a 1/4” NPTF connection and will be fitted with a quick connect to facilitate field service and testing.

VACUUM SWITCH

• Nema 4 Water-tight Housing
• Range of 1.60 to 30.0 inches Hg (gauge)
• Differential of 0.40 to 0.80 inches Hg (gauge)
• 10 amps 125 or 250 volts AC, 3 amps 480 volt AC
• 1/4” N PTF Connection

LOW PRESSURE SWITCH

• Nema 4 Water-tight Housing
• Range of 3.90 to 80 psi
• Differential of 1.60 to 3.40 psi
• 10 amps 125 or 250 volts AC, 3 amps 480 volt AC
• 1/4” NPTF Connection

CHECK VALVE

• Allows Quick Removal of Switches
• 1/4” Brass Check valve
• 1/8” NPT Threads

HIGH PRESSURE SWITCH

• Nema 4 Water-tight Housing
• Range of 11.0 to 2500 psi
• Differential of 1.0 to 20 psi
• 10 amps 125 or 250 volts AC, 3 amps 480 volt AC

GAUGE

<table>
<thead>
<tr>
<th>Size</th>
<th>2”</th>
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<tbody>
<tr>
<td>Style</td>
<td>ASME B40.1 Grade B</td>
</tr>
<tr>
<td>Range</td>
<td>0 - 30” Hg (0 - 700 mm Hg)</td>
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<tr>
<td></td>
<td>0 - 100 PSI (680 KPA)</td>
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<tr>
<td></td>
<td>0 - 300 PSI (2050 KPA)</td>
</tr>
<tr>
<td>Connection</td>
<td>1/8” (6.35 mm) NPT Center back</td>
</tr>
<tr>
<td>Temperature</td>
<td>Ambient -13°F to 140°F (-25°C to 122°C)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Window</th>
<th>Snap-in Acrylic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Black Steel</td>
</tr>
<tr>
<td>Pointer</td>
<td>Black Aluminum</td>
</tr>
<tr>
<td>Dial</td>
<td>White Plastic with stop pin</td>
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<tr>
<td>Media</td>
<td>Max 140°F (122°C)</td>
</tr>
<tr>
<td>Bourdon Tube</td>
<td>Copper Alloy</td>
</tr>
<tr>
<td>Movement</td>
<td>Copper Alloys</td>
</tr>
</tbody>
</table>
**PART NUMBERS**

263741  O₂  
263742  Vac  
263743  Air  
263744  N₂O  
263745  WAGD  
263747  CO₂  

**PART NUMBERS**

2637646  N₂