6100 Series
Electric Vapor Pressure or Head Pressure Switch

Application – Control Vapor Pressure or Liquid Level

- Electric pressure-actuated switch for controlling Vapor Pressure on a vessel or to provide Liquid Level Control
- Provides electric switch input for control systems, alarms or other operations
- Highly sensitive Pressure Switch is adjustable from 0” to 8” of water
- Liquid Static Head Switch is adjustable in a range from 2’ to 30’ of water
- Use on stock tanks or other vessels operating at atmospheric pressures
- Simple, Direct Mounting 2” NPT vessel connection

Features and Benefits of the Pathway 6100

- Rugged Heavy-duty construction for long service life and low maintenance
- Durable Switch Enclosure for electrical components
- Sensitive diaphragm provides accurate control over full range of device
- No floats or moving parts protruding inside the vessel
- Ease of installation with standard 2” NPT connection to the tank or vessel
- Three switches independently adjustable over the full control range
- Field adjustable trip points

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Pressure</td>
<td>Atmospheric</td>
</tr>
<tr>
<td>Vapor Pressure Range</td>
<td>Switch range from 0” to 8” of water</td>
</tr>
<tr>
<td>Static Head Pressure Range</td>
<td>Head Pressure Switch range from 2’ to 30’ of water</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20º F to +180º F</td>
</tr>
<tr>
<td>Switch Rating: Vapor Pressure</td>
<td>SPST, Mercury, 1 amp at 115 V AC, .5 amp at 220 V AC</td>
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<tr>
<td>Static Head Pressure</td>
<td>SPST, Mercury, 6 amp at 115 V AC, 3 amp at 220 V AC</td>
</tr>
<tr>
<td>Materials</td>
<td>Cast iron body; aluminum stem (6100-1), stainless steel stem (6100-2); stainless steel switch rod; nylon reinforced nitrile diaphragm</td>
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<tr>
<td>Process Connections</td>
<td>2” NPT standard</td>
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<tr>
<td>Electrical Connections</td>
<td>½” NPT conduit standard</td>
</tr>
</tbody>
</table>

6100 Common Options

- Up to three additional switches for increased control points
- Light spring for more sensitive response to 15’ liquid level

Benefits of ALL Pathway Control Products

- Personalized service and support expertise; Responsive, On-time Delivery
- Time-tested & Proven design provides Dependable, Long-term Service
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Dimensions:

Ordering Chart:

6100 Series: Electric Vapor Pressure or Head Pressure Switch

Type:
1 - Vapor Pressure Switch
2 - Static Head Pressure Switch

Other:
01 - No other options selected
05 - Customer Specified Requirements (see 6100 common options)
Other Options (#) - Assigned # for Customer Specific requirements

Example as Selected: 6100 - 1 - 01