Confirm Clamp Stroke Position Pneumatically

The pneumatic confirmation valve confirms the stage of loading before or after clamping. It is adaptable to multiple devices including: swing clamps, link clamps, cylinders and supports.

Avoid machine crashes by confirming specific actions before you cycle your machine. It is designed to be used in both coolant and dry environments and is easily mounted either vertically or horizontally. Confirmation at its finest!

- Easily fine tune your fixture choosing between set and differential pressure.
- Confirm signal is based on restricting air flow when testing function is present.
- Over-travel sensing will reopen if a device depresses plunger beyond the valve limit.
- Use Pneumatic Confirmation Valve with almost any clamping device.
- Assists in detecting missing or incorrectly loaded parts.
- Remote venting recommended in coolant applications.
- Feedback to machine automations and robotics through the pressure switch.
- 1/8 tube - M3 Connector
  Part No. P3-0370-20, Order separately.

### Pneumatic Confirmation Valve

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Max Air Pressure (psi)</th>
<th>Operating Pressure Range (psi)</th>
<th>Air Flow Rate (SCFM)</th>
<th>Differential Pressure @20 psi System Pressure</th>
<th>Plunger Stroke (in)</th>
<th>Spring Force (lbf.)</th>
<th>Feed PortNominal Diameter (in.)</th>
<th>Port Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-4085-00</td>
<td>Over-Travel Sensing</td>
<td>145</td>
<td>10-70</td>
<td>0.354 - 0.706</td>
<td>Min. 12</td>
<td>Min. 45</td>
<td>0.40 Max</td>
<td>1.5 - 3</td>
<td>Manifold and M3</td>
</tr>
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<td>50-4085-01</td>
<td>Standard</td>
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* Pressure drop when one or more valves open. All valves must be closed for pressure confirmation. Plumb multiple valves in parallel.

**Monitoring By Pneumatic Pressure Switch**

**Recommended Circuit Layout**

- **Air Sensing Control Kit 50-8240-00**
  - Air Supply
  - Air Pressure Sensor Switch
  - Gauge
  - Flow Control Valve
  - Max. 8 Valves

More detail on recommended layout can be found in Section B.
## Pneumatic Confirmation Valve Cartridge

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* Pressure drop when one or more valves open. All valves must be closed for pressure confirmation. Plumb multiple valves in parallel.

### Notes
- Outlet port allowable to connect at any angle to these surfaces.
- Inlet port allowable to connect at any angle to these surfaces.