NEW!

Confirm part is present and contacted even on as-cast surfaces!

Plungers stay retracted during part loading while air flow travels through the work support. Hydraulic pressure advances the plunger exerting only spring force as it makes contact with the part. This closes the integral air valve to indicate part is present and contacted. Hydraulic pressure then automatically sequences, “freezing” the plunger.

- Available in 1,800 or 3,500 lbs capacity.
- Order with four bolt base or cartridge only.
- Once support is locked, air sensing positively confirms both contact and part present.
- Use Vektek’s Air Sensing Control Kit 50-8240-00 for easy setup.
- Four bolt base is compatible with in port flow control and in port sequence valves.
- Uses Vektek’s BHC technology to guard against corrosion.
- O-Ring face seal design makes machining cavities easier.
- Max air operating pressure is 15 PSI.

Standard SAE porting and alternate O-Ring manifold face seal is located in the base of the support for bolt down installation. The base can be removed for direct cartridge mounting.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Support Capacity (lbs)*</th>
<th>Mounting Style***</th>
<th>Contact Force (lbs)</th>
<th>Stroke (in.)</th>
<th>Base Dimensions (in.)</th>
<th>Retracted Height (in.)</th>
<th>Oil Capacity (cu. in.)**</th>
<th>Port X Depth for Optional In-Port Valves****</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-0706-10-PS</td>
<td>1,800</td>
<td>Cartridge</td>
<td>1-6</td>
<td>0.25</td>
<td>N/A</td>
<td>2.28</td>
<td>0.06</td>
<td>N/A SAE 4 X 0.58</td>
</tr>
<tr>
<td>10-0806-20-PS</td>
<td></td>
<td>SAE/Manifold</td>
<td></td>
<td></td>
<td>1.19 X 1.31 X 1.31</td>
<td>2.93</td>
<td>0.08</td>
<td></td>
</tr>
<tr>
<td>10-0708-10-PS</td>
<td>3,500</td>
<td>Cartridge</td>
<td>3-10</td>
<td>0.25</td>
<td>N/A</td>
<td>3.04</td>
<td>0.12</td>
<td>N/A SAE 4 X 0.58</td>
</tr>
<tr>
<td>10-0808-20-PS</td>
<td></td>
<td>SAE/Manifold</td>
<td></td>
<td></td>
<td>1.50 X 1.63 X 1.63</td>
<td>3.69</td>
<td>0.15</td>
<td></td>
</tr>
</tbody>
</table>

* Support capacities are listed at 5,000 psi maximum pressure. Support capacities for other pressures are shown in the fluid advance High Capacity and Part Present Sensing load capacity chart.

** Restrict flow rate to a maximum of 130 cu. in./minute.

*** For cartridge mount models, see cavity dimensions drawings in this catalog section.

**** In-Port Valves require the use of manifold mount ports.

NOTE: The maximum system back-pressure a fluid advance work support can overcome is 10 psi. Returning back-pressure greater than 10 psi may cause slow or failed retraction.
Work Supports
Part Present Sensing, High Capacity, Fluid Advance

For proper sealing, mating surface must be flat within 0.003 in with a maximum 63 µ in. Rₐ surface finish.

Dimensions

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>P</th>
<th>Q</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-0806-20-PS</td>
<td>1-16</td>
<td>2.93</td>
<td>0.25</td>
<td>1.19</td>
<td>1.19</td>
<td>0.21</td>
<td>0.88</td>
<td>0.56</td>
<td>0.28</td>
<td>1.31</td>
<td>1.31</td>
<td>1.00</td>
<td>0.50</td>
<td>1.00</td>
<td>0.50</td>
</tr>
<tr>
<td>10-0808-20-PS</td>
<td>1 1/4-16</td>
<td>3.69</td>
<td>0.25</td>
<td>1.44</td>
<td>1.50</td>
<td>0.36</td>
<td>1.13</td>
<td>0.75</td>
<td>0.38</td>
<td>1.63</td>
<td>1.63</td>
<td>1.25</td>
<td>0.63</td>
<td>1.25</td>
<td>0.63</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>R</th>
<th>S</th>
<th>T</th>
<th>V</th>
<th>W</th>
<th>X</th>
<th>Y</th>
<th>AA</th>
<th>AB</th>
<th>AC</th>
<th>AD</th>
<th>AE</th>
<th>AF</th>
<th>AG</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-0806-20-PS</td>
<td>0.19</td>
<td>0.30</td>
<td>0.94</td>
<td>0.43</td>
<td>5/16-18 x .20</td>
<td>SAE 4</td>
<td>0.38</td>
<td>0.31</td>
<td>0.16</td>
<td>0.14</td>
<td>0.36</td>
<td>1/8 NPT</td>
<td>0.16</td>
<td>0.38</td>
</tr>
<tr>
<td>10-0808-20-PS</td>
<td>0.22</td>
<td>0.38</td>
<td>1.19</td>
<td>0.62</td>
<td>7/16-14 x .25</td>
<td>SAE 4</td>
<td>0.38</td>
<td>0.34</td>
<td>0.31</td>
<td>0.31</td>
<td>0.36</td>
<td>1/8 NPT</td>
<td>0.25</td>
<td>0.41</td>
</tr>
</tbody>
</table>

PART PRESENT SENSING WORK SUPPORT AIR FLOW
Fluid Advance Part Present Sensing Cartridge Mount

Cavity Check List

- Confirm capacity of item selected.
- Note the sealing surface finish requirements.
- Minimum depth specification represents the nominal depth of the standard Vektek base dimension.
- Confirm cavity drawing is appropriate for the model number used.
- Note specified thread depth when cutting threads.
- When using a bottoming tap tool, modifications may be required.
- When hand tapping threads, perpendicularity is essential.

Dimensions

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>M</th>
<th>V</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-0706-10-PS</td>
<td>1-16</td>
<td>2.28</td>
<td>0.25</td>
<td>1.72</td>
<td>0.24</td>
<td>0.21</td>
<td>0.88</td>
<td>0.56</td>
<td>0.28</td>
<td>0.92</td>
<td>0.43</td>
<td>5/16-18 X 0.20</td>
</tr>
<tr>
<td>10-0708-10-PS</td>
<td>1 1/4-16</td>
<td>3.04</td>
<td>0.25</td>
<td>2.29</td>
<td>0.33</td>
<td>0.36</td>
<td>1.13</td>
<td>0.75</td>
<td>0.38</td>
<td>1.17</td>
<td>0.62</td>
<td>7/16-14 X 0.25</td>
</tr>
</tbody>
</table>
VEKTEK FLUID ADVANCE 1,800 LBS PART PRESENT SENSING
HIGH CAPACITY CARTRIDGE MOUNT WORK SUPPORT CAVITY DIMENSIONS

WORK SUPPORT CAVITY DIMENSIONS:
1800 lb. SINGLE ACTING
FLUID ADVANCE 10-0706-10-PS
(TORQUE TO 35 ft-lb)

 workspace figures

VEKTEK FLUID ADVANCE 3,500 LBS PART PRESENT SENSING
HIGH CAPACITY CARTRIDGE MOUNT WORK SUPPORT CAVITY DIMENSIONS

WORK SUPPORT CAVITY DIMENSIONS:
3500 lb. SINGLE ACTING
FLUID ADVANCE 10-0708-10-PS
(TORQUE TO 50 ft-lb)