Manual Shutoff Valve Decouplers

Manual Shutoff Valve Decoupler for Single Acting Systems

- This Decoupler is a convenient, self-contained package that includes a quick connect coupling, manual shutoff valve with handle, accumulator (choose from horizontal or vertical arrangement), filter screen, pressure gauge and over-pressure relief valve.
- Models available for circuits operating at 2,000-5,000 psi and 1,000-3,500 psi with standard and small accumulators.
- Includes auxiliary ports that can be used for double acting pallet circuits or compressed air.

Decoupler with External Accumulator

For operation with Female Quick Connect Coupling Model No. 30-7827-66.

Vertical Accumulator

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Pressure Range (psi)</th>
<th>Accumulator Capacity (cu. in.)</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-0001-01</td>
<td>2,000-5,000</td>
<td>3.2</td>
<td>6.91</td>
</tr>
<tr>
<td>56-0001-02</td>
<td>1,000-3,500</td>
<td>3.6</td>
<td>6.91</td>
</tr>
<tr>
<td>56-0001-03</td>
<td>2,000-5,000</td>
<td>1.0</td>
<td>5.72</td>
</tr>
</tbody>
</table>

* Depending on where the Decoupler is mounted, a spacer (not furnished) may be needed to offset the overhang of the accumulator.

NOTE: This Manual Shutoff Valve Decoupler must be used with a suitable pump which includes a 2-Position/3-Port, directional control valve for operation of one single acting circuit. Contact Vektek for considerations in the use of this Manual Shutoff Valve Decoupler to control double acting circuits. Also see the Automatic Shutoff Valve Decouplers in Section K.

Pumps for Manual Shutoff Valve Decouplers

A. Basic Manual Shutoff Valve Decoupler Pump: Workholding Pumps with one 2-Position/3-Port, normally closed directional control valve and 2-Position pendant switch providing “Clamp-Unclamp/Disconnect” control (both detented) of the palletized single acting circuit. See the pump convenience packages (Section J) for the pump model of your choice.

B. Other Manual Shutoff Valve Decoupler Pumps: Vektek offers a matrix of pumps with a wide range of electric and hydraulic control features for use with the Manual Shutoff Decouplers to control both single and double acting circuits. Contact Vektek with your specific needs for technical support on other suitable pump configurations.

For proper sealing, mating surface must be flat within 0.003 in. with a maximum 63 µ in. R\text{a} surface finish.
Self-Closing Manual Release

Decoupler with External Accumulator
For operation with Female Quick Connect Coupling Model No. 30-7827-66.

- This Decoupler is a convenient, self-contained package that includes a male quick disconnect with dust cover, accumulator, filter screens on both sides of system and an over-pressure relief valve. (Pressure gauge sold separately see Section M.)
- Manual shutoff valve automatically closes on system pressurization. Valve is manually opened to release system pressure back to the pump.
- External accumulator can be repositioned into your decoupler mounting and pallet layout.
- Manifold mountable from the bottom or the rear surface.
- External accumulator can be repositioned into ports A3, A6 or A7 to accommodate the decoupler mounting and pallet layout.
- Pressure gauge can be mounted in A5 or A8 port to accommodate the decoupler mounting and pallet layout.
- BHC™ Finish.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>System Operating Pressure Min</th>
<th>Max</th>
<th>Accumulator Model No.</th>
<th>Quick Connect Port No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-0006-06</td>
<td>2,000 psi</td>
<td>5,000 psi</td>
<td>10-1016-01</td>
<td>30-7727-66</td>
</tr>
<tr>
<td>56-0006-07</td>
<td>1,000 psi</td>
<td>3,500 psi</td>
<td>10-1016-02</td>
<td>30-7727-66</td>
</tr>
</tbody>
</table>

For proper sealing, mating surface must be flat within 0.003 in. with a maximum 63 µ in. R₆ surface finish.

NOTE: This Self-closing Manual Shutoff Valve Decoupler must be used with a suitable pump which includes a 2-Position/3-Port, directional control valve for operation of one single acting circuit.
Manual Shutoff Tombstone Top Plate for Single Acting Systems

- Provides separate unclamp control of up to four faces of a tombstone or multi-circuit pallet for independent loading and unloading.
- Tombstone Top Plates are convenient, self-contained packages that include a quick connect coupling, manual shutoff valves, accumulator, filter screens, check valves, pressure gauge(s), and a manual pressure bleed port.
- The Four-sided Tombstone Top Plate is provided with one common pressure gauge and auxiliary ports for optional pressure gauges at each shutoff valve.
- Models available for circuits operating at 2,000-5,000 psi and 1,000-3,500 psi pressures.

Four-Sided Tombstone Top Plate

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-0003-01</td>
<td>2,000 - 5,000 psi</td>
</tr>
<tr>
<td>56-0003-02</td>
<td>1,000 - 3,000 psi</td>
</tr>
</tbody>
</table>

For Operation with Female Quick Connect Coupling
Model No. 30-7827-60 (Section H)

NOTE: These Manual Shutoff Valve Top Plates must be used with a suitable pump which includes a 2-Position/3-Port, directional control valve for operation of single acting circuits only. Each valve on a Manual Top Plate can be used to operate only one single acting circuit. For operation of double acting circuits, see the Automatic Shutoff Valve Decouplers. (See Section K.)

Pumps for Manual Shutoff Valve Decouplers
A. Basic Manual Shutoff Valve Decoupler Pump: Workholding Pumps with one 2-Position/3-Port, normally closed directional control valve and 2-Position pendant switch providing “Clamp-Unclamp/Disconnect” control (both detented) of the palletized single acting circuit. See the pump convenience packages (Section J) for the pump model of your choice.
B. Other Manual Shutoff Valve Decoupler Pumps: Vektek offers a matrix of pumps with a wide range of electric and hydraulic control features for use with the Manual Shutoff Decouplers to control both single and double acting circuits. Contact Vektek with your specific needs for technical support on other suitable pump configurations.
NOTE: These Manual Shutoff Valve Top Plates must be used with a suitable pump which includes a 2-Position/3-Port, directional control valve for operation of single acting circuits only. Each valve on a Manual Top Plate can be used to operate only one single acting circuit. For operation of double acting circuits, see the Automatic Shutoff Valve Decouplers. (See Section K.)