Automatic Shutoff Valve Decouplers for Single and Double Acting Systems

- Decouplers are a convenient, self-contained package that includes quick connect couplings, accumulator, filters, pilot operated check valve and an over pressure relief valve.
- Contains a robust pilot operated check valve with a 1:5 pilot to check ratio for proven long term reliability.
- Internal 25 micron filters for added protection of the pilot operated check valve through ports A1, A2, A3, A4 and C1. Additional filtration at port B1. No filtration at remaining ports.
- Integral accumulator available in three operating pressure ranges.
- SAE female external ports and manifold mounting (bottom and rear) connections.
- Single acting pallet circuits require 2 hoses to the Operating Handle for pressure release. For single hose systems see the Manual Shutoff Valve Decoupler.
- Additional filtration available through the use of manifold mount and in-line filtration. Filter kit model # 62-5600-05 (for in-line mounting) or 62-5600-06 (for manifold mounting).
- Provides a fast, positive connection to the Decoupler.
- Positive lock/un-lock design eliminates missed connections.
- Ergonomic design reduces operator fatigue.
- Maximum working pressure is 5,000 psi.

Decouplers with Integral Accumulator

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Pressure Range (psi)</th>
<th>Accumulator Capacity</th>
<th>Optional In-Line Filter</th>
<th>Optional Filters</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-0005-42</td>
<td>400-1,500</td>
<td>3.8 cu. in.</td>
<td>70-0401-71 (For Manifold Mounting)</td>
<td>70-8420-05 (Bottom A4 &amp; B4) or 70-8420-06 (Rear A3 &amp; B3)</td>
</tr>
<tr>
<td>56-0005-23</td>
<td>1,000-3,500</td>
<td>3.6 cu. in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>56-0005-24</td>
<td>2,000-5,000</td>
<td>3.2 cu. in.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For use with Operating Handle Model No. 56-0008-00.

Note:
These automatic shutoff valve decouplers and operating handle must be used with a suitable pump which includes a 4 port/3 position, P-blocked center (A1 & B1 connected to tank) directional control valve for operation of single or double acting systems.

See the pump convenience package for the pump model of your choice, “Pallet Decoupler (two hose)” in section J.

One automatic shutoff valve decoupler can be used to operate only one double acting or one single acting circuit. For operation of a single acting circuit, plug the decoupler outlet port “B” (as shown in the schematic).

For proper sealing, mating surface must be flat within 0.003 in. with a maximum 63 µ in. Rₐ surface finish.
Automatic Shutoff Valve Decouplers for Single and Double Acting Systems

- Decouplers are a convenient, self-contained package that includes quick connect couplings, accumulator, filters, pilot operated check valve, accumulator and an over pressure relief valve.
- Robust pilot operated check valve with a 1:5 pilot to check ratio for proven long term reliability.
- Internal 25 micron filters for added protection of the pilot operated check valve through ports A1, A2, A3, A4, A5 and C1. Additional filtration at port B1. No filtration at remaining ports.
- External accumulator available in three operating pressure ranges.
- Single acting pallet circuits require 2 hoses to the Operating Handle for pressure release.
- For single hose systems see the Manual Shutoff Valve Decoupler.
- Additional filtration available through the use of manifold mount and in-line filtration.
- Filter kit model # 62-5600-05 (for in-line mounting) or 62-5600-06 (for manifold mounting).

Decouplers with External Accumulator

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Pressure Range (psi)</th>
<th>Accumulator Capacity</th>
<th>Optional In-Line Filter</th>
<th>Optional Filters</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-0005-43</td>
<td>400-1,500</td>
<td>3.8 cu. in.</td>
<td>70-0401-71</td>
<td>70-8420-05</td>
</tr>
<tr>
<td>56-0005-25</td>
<td>1,000-3,500</td>
<td>3.6 cu. in.</td>
<td>70-0437-71 (Ports A4, B4, B5)</td>
<td>70-8420-06 (REAR A4 &amp; B4)</td>
</tr>
<tr>
<td>56-0005-26</td>
<td>2,000-5,000</td>
<td>3.2 cu. in.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Customers that have previously bought a decoupler can purchase a new cover for their old decoupler. New orders of decouplers will come with cover.

NOTE:
These automatic shutoff valve decouplers and operating handle must be used with a suitable pump which includes a 4 port/3 position, P-blocked center (“A” & “B” connected to tank) directional control valve for operation of single or double acting systems. See the pump convenience package for the pump model of your choice, “Pallet Decoupler (two hose)” in section J.

One automatic shutoff valve decoupler can be used to operate only one double acting or one single acting circuit. For operation of a single acting circuit, plug the decoupler outlet port “B” (as shown in the schematic).