Automatic Shutoff Valve Decouplers for Single and Double Acting Systems

- Decouplers are a convenient, self-contained package that includes quick connect couplings, filters, pilot operated check valve, accumulator and over pressure relief valve and separate path for compressed air.
- Robust pilot operated check valve with 1 to 5 ratio of pilot to check pressure for proven long term reliability.
- Internal 25 micron filters for added protection of pilot operated check valve through ports A1, A2, A3, A4 and A5. Additional filtration provided at port B1. No filtration at remaining ports.
- External 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 in this section.

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).

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).

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>56-0005-30</td>
<td>400-1,500</td>
<td>3.8 cu. in.</td>
<td></td>
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<tr>
<td>56-0005-21</td>
<td>1,000-3,500</td>
<td>3.6 cu. in.</td>
<td>70-0401-71</td>
<td>70-8420-05</td>
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<tr>
<td>56-0005-22</td>
<td>2,000-5,000</td>
<td>3.2 cu. in.</td>
<td></td>
<td>(BOTTOM A5 &amp; B5) OR 70-8420-06 (REAR A4 &amp; B4)</td>
</tr>
</tbody>
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For proper sealing, mating surface must be flat within 0.003 in. with a maximum 63 µ in. Rₐ surface finish.