Accumulator safety and shut off valve
Hydraulic Accumulator Safety Valve

Accessory Equipment Accumulator Safety Valves

Bosch accumulator safety valves are reliable, compact and easy to install. They combine a manually operated shut-off valve, for isolating the accumulator from the system, and a manually releasable relief valve, which in addition to providing a relief valve function, allows the accumulator to be discharged into the tank. The valve can also include a normally-open solenoid-operated 2-way valve which will automatically discharge the accumulator if the equipment is switched off.

Bosch accumulator safety valves are engineered to provide fast, positive action. They are built to give years of long-life, reliable operation and system protection.

SPECIFICATIONS AND DATA

| Construction       | Safety relief valve. Poppet type, direct acting
|                   | With lever operated release
|                   | Shut-off valve: lever operated 2-way ball type
|                   | Solenoid valve, poppet type
| Ports             | Pump and accumulator: 1"-11/4" NPTF
|                   | Tank: 3/4"-18 NPTF
|                   | Gauge: 1/2"-18 NPTF
| Voltage           | 24 V.D.C.
| (for solenoid     | 110 V.A.C. - 60 Hz.
| operated units)   |
| Rated Pressure    | Maximum: 4800 psi (330)
| Mounting          | Any position, mounting holes
| Fluids            | Hydraulic oils, 60 to 800 SSU
| Temperature Range | +5°F to +176°F (-15°C to +80°C)
| Pressure Drop     | @ 25 gpm = 2 psi
| Shut-Off Valve    | @ 50 gpm = 7 psi
|                   | @ 100 gpm = 25 psi
| Unloading Flow    | @ 700 psi = 10 gpm
| Rate (through manually openend relief valve) | @ 1000 psi = 15 gpm
|                   | psi = to 4800
| Installation Note: The safety valve should be mounted directly to the accumulator using the appropriate size pipe fitting, or reducer fitting (nipple.)

DIMENSIONS — Port Data

<table>
<thead>
<tr>
<th>Port</th>
<th>Description</th>
<th>Pressure Setting* psi</th>
<th>Voltage</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>pump connection</td>
<td>1&quot;-11/4&quot; NPTF pipe thread</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>accumulator</td>
<td>1&quot;-11/4&quot; NPTF pipe thread</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>tank connection</td>
<td>1/4&quot;-18 NPTF pipe thread</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>gauge connection</td>
<td>1/4&quot;-18 NPTF pipe thread</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Pressure Setting* psi</th>
<th>Voltage</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Valve, manually operated</td>
<td>3000</td>
<td>None</td>
<td>0 532 015 041</td>
</tr>
<tr>
<td>Safety Valve, solenoid operated</td>
<td>3000</td>
<td>24 V.D.C.</td>
<td>0 532 015 042</td>
</tr>
<tr>
<td>Safety Valve, solenoid operated</td>
<td>3000</td>
<td>110 V.A.C.</td>
<td>0 532 015 043</td>
</tr>
</tbody>
</table>

*For other pressure settings, contact Robert Bosch Corporation.