DESCRIPTION

The WM101 valve is a three-way, compensating pilot operated emergency relay valve. Designed mainly for vehicular application, the WM101 valve is used to supply air pressure to the brake chambers during both normal and emergency operating conditions. This valve features diaphragm construction for trouble free operation over a wide range of environmental conditions.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Port sizes:</th>
<th>Chamber ports ....................................................</th>
<th>1/4-18 NPTF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control port</td>
<td>........................................................................</td>
<td>3/8-18 NPTF</td>
</tr>
<tr>
<td>Inlet port</td>
<td>........................................................................</td>
<td>1/2-14 NPTF</td>
</tr>
<tr>
<td>Optional inlet port</td>
<td>........................................................................</td>
<td>3/4-14 NPTF</td>
</tr>
<tr>
<td>Emergency port</td>
<td>........................................................................</td>
<td>3/8-18 NPTF</td>
</tr>
<tr>
<td>Maximum supply pressure</td>
<td>.......................................................................</td>
<td>150 PSI (1034 kPa)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>...........................................................................</td>
<td>-20°F to 200°F (-29°C to 93°C)</td>
</tr>
<tr>
<td>Flow rating</td>
<td>........................................................................</td>
<td>400 SCFM @ 100 PSI (11,3 m³/min @ 690 kPa)</td>
</tr>
<tr>
<td>Cracking pressure</td>
<td>........................................................................</td>
<td>3-4 PSI @ 100 PSI (21-28 kPa @ 690 kPa)</td>
</tr>
<tr>
<td>Emergency brake application</td>
<td>...................................................................</td>
<td>Below 45 PSI (310 kPa)</td>
</tr>
<tr>
<td>Mounting</td>
<td>........................................................................</td>
<td>Bracket secured to frame, bulkhead, bracket or air tank</td>
</tr>
<tr>
<td>Mounting attitude</td>
<td>........................................................................</td>
<td>Exhaust check cap up recommended</td>
</tr>
<tr>
<td>Materials:</td>
<td>Cover ....................................................................</td>
<td>Die cast aluminum alloy</td>
</tr>
<tr>
<td></td>
<td>Body castings ......................................................</td>
<td>Die cast zinc alloy</td>
</tr>
<tr>
<td></td>
<td>Poppets &amp; seals ..................................................</td>
<td>Buna N</td>
</tr>
<tr>
<td></td>
<td>Diaphragm ...........................................................</td>
<td>Fabric-reinforced Buna N</td>
</tr>
<tr>
<td>Weight</td>
<td>........................................................................</td>
<td>4 lbs, 13 oz (2,2 kg)</td>
</tr>
</tbody>
</table>