DESCRIPTION

The WM639 is an in-line shuttle valve engineered for applications with a low to moderate air flow rate. It functions as a double check valve, allowing two pressure sources to independently supply a single outlet. The WM639 is equipped with a die cast zinc shuttle which moves freely back and forth in a chamber connecting valve’s two inlet ports. As long as there is a pressure differential between the inlets the shuttle seal off the one with the least supply pressure. This valve is commonly used in air brake systems in which a hand valve and a treadle are both used to control the same function.
**SPECIFICATION**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Size</td>
<td>3/8-18 NPTF</td>
</tr>
<tr>
<td>Maximum Supply Pressure</td>
<td>150 PSI (1034 kPa)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-29°C to 93°C</td>
</tr>
<tr>
<td>Flow Rating</td>
<td>130 SCFM @ 100 PSI (3.5m³/min @ 690 kPa)</td>
</tr>
<tr>
<td>Mounting</td>
<td>In-line</td>
</tr>
<tr>
<td>Mounting Attitude</td>
<td>Optional</td>
</tr>
<tr>
<td>Body Castings</td>
<td>Iridited die cast zinc alloy</td>
</tr>
<tr>
<td>Shuttle</td>
<td>Buna N bonded to Zinc Alloy</td>
</tr>
<tr>
<td>O-Rings</td>
<td>Buna N</td>
</tr>
<tr>
<td>Weight</td>
<td>7oz (0.2kg)</td>
</tr>
</tbody>
</table>

*For Continuous operation beyond this range, contact factory.*

**DIMENSIONS**

![Dimensions Diagram]

**CROSS SECTION**

![Cross Section Diagram]

**TO ORDER**

To order **Specify WM639A, Part Number 113934**

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