SERIES RVD • Single Diaphragm Design

compact and economical; ideal for low through high pressure applications

**Features:**
- Single diaphragm provides quick response, prevents crystallization.
- Teflon® guides designed for smooth, chatter-free operation.
- Heavy-duty; machined from solid thermoplastics and built for corrosive applications.
- Designed for low maintenance and easy to adjust.
- Angle pattern in 1/4" and 1/2" pipe sizes.
- No wetted metal parts.

**Design:**
Series RVD angle pattern pressure relief valves feature a single flat diaphragm which is an advantage where salt crystallization problems can cause valve sticking. Relief setting is infinitely adjustable from 5 psi to 150 psi. Maximum inlet pressure is 210 psi.

**Materials of Construction:**
Available in PVC, Natural Polypropylene, PVDF and Teflon. Seals are available in EPDM or Viton®. The adjusting bolt, lock nut and fasteners are stainless steel. The control spring is plated steel. No metal parts are in contact with liquid.

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Series RVD Model Numbers

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>PVC Model No.</th>
<th>POLYPRO* Model No.</th>
<th>PVDF Model No.</th>
<th>TEFMON Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>RVD025V-PV</td>
<td>RVD025V-PP</td>
<td>RVD025V-PF</td>
<td>RVD025V-TF</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>RVD050V-PV</td>
<td>RVD050V-PP</td>
<td>RVD050V-PF</td>
<td>RVD050V-TF</td>
</tr>
</tbody>
</table>

*Natural unpigmented polypropylene For EPDM Seals change “V” to “EP”

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EVERY PLAST-O-MATIC VALVE IS INDIVIDUALLY TESTED PRIOR TO SHIPMENT.

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Series RVD Flow Characteristics

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Series RVD Dimensions

<table>
<thead>
<tr>
<th>NPT or BSP</th>
<th>1/4 in.</th>
<th>1/8 in.</th>
<th>1/2 in.</th>
<th>1/4 in.</th>
<th>1/8 in.</th>
<th>1/2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2</td>
<td>50.8</td>
<td>2.375</td>
<td>60.3</td>
<td>1.25</td>
<td>31.8</td>
</tr>
<tr>
<td>B</td>
<td>1.125</td>
<td>28.5</td>
<td>1.500</td>
<td>38.1</td>
<td>1.125</td>
<td>28.5</td>
</tr>
<tr>
<td>C</td>
<td>4</td>
<td>100.6</td>
<td>4.687</td>
<td>119.0</td>
<td>4</td>
<td>100.6</td>
</tr>
<tr>
<td>D</td>
<td>1.125</td>
<td>28.5</td>
<td>1.125</td>
<td>28.5</td>
<td>1.125</td>
<td>28.5</td>
</tr>
<tr>
<td>E</td>
<td>1.125</td>
<td>28.5</td>
<td>1.125</td>
<td>28.5</td>
<td>1.125</td>
<td>28.5</td>
</tr>
</tbody>
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