PB-RWA  DIRECT ACTING RELIEF VALVE

DESCRIPTION
8 size, 3/4-16 thread, “Power” series, direct acting relief valve.

OPERATION
The PB-RWA blocks flow from (2) to (1) until sufficient pressure is present at (2) to force the poppet to open and allow metered flow from (2) to (1). The cartridge offers smooth transition in response to load changes in common hydraulic circuits.

FEATURES
- Hardened parts for long life.
- Industry common cavity.

HYDRAULIC SYMBOL

Pressure at port (1) must not exceed 2500 PSI.

PERFORMANCE
Actual Test Data (Cartridge Only)

![Performance Graph]

Valve Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Flow</td>
<td>6 GPM (23 LPM)</td>
</tr>
<tr>
<td>Rated Operating Pressure</td>
<td>3500 PSI (241 bar)</td>
</tr>
<tr>
<td>Viscosity Range</td>
<td>36 to 3000 SSU (3 to 647 cSt)</td>
</tr>
<tr>
<td>Filtration</td>
<td>ISO 18/16/13</td>
</tr>
<tr>
<td>Media Operating Temp. Range</td>
<td>-40° to 250°F (-40° to 120°C)</td>
</tr>
<tr>
<td>Weight</td>
<td>.31 lbs (.14 kg)</td>
</tr>
<tr>
<td>Operating Fluid Media</td>
<td>General Purpose Hydraulic Fluid</td>
</tr>
<tr>
<td>Cartridge Torque Requirements</td>
<td>25 ft-lbs (34 Nm)</td>
</tr>
<tr>
<td>Cavity</td>
<td>POWER 2W</td>
</tr>
<tr>
<td>Cavity Form Tool (Finishing)</td>
<td>405000005</td>
</tr>
<tr>
<td>Seal Kit</td>
<td>21191100</td>
</tr>
</tbody>
</table>

WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.
### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PB-RWA</th>
<th>OPTIONS</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>External Adj. W/Locknut Buna</td>
<td>00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>External Adj. W/Locknut Viton</td>
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<tr>
<td></td>
<td>Buna, Knob</td>
<td>0K</td>
<td></td>
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<tr>
<td></td>
<td>Viton, Knob</td>
<td>VK</td>
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<tr>
<td></td>
<td>Internal Adjust Buna</td>
<td>0I</td>
<td></td>
</tr>
<tr>
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<td>Internal Adjust Viton</td>
<td>VI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tamper Proof Buna</td>
<td>0T</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tamper Proof Viton</td>
<td>VT</td>
<td></td>
</tr>
</tbody>
</table>

| | BODIES | |
| | Blank | Without Body |
| | N | 1/4" NPTF Ports |
| | S | #6 SAE Ports |

### PRESSURE RANGE/SETTING

| | Ext./Int. Adjustment | |
| | 1000 | 100 - 1000 PSI |
| | 3500 | 500 - 3500 PSI |

**Tamper Proof**

Fill in 4 Digit Pressure Setting

Example: 0500 - 500 PSI

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