PB-RVA  DIRECT ACTING RELIEF VALVE

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

OPERATION
The PB-RVA 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)

<table>
<thead>
<tr>
<th>Pressure Drop (PSI)</th>
<th>Flow (GPM)</th>
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<th>Port 2 to 1</th>
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</table>
| Pressure at port (1) must not exceed 2500 PSI.

VALVE SPECIFICATIONS

- Nominal Flow: 6 GPM (23 LPM)
- Rated Operating Pressure: 3500 PSI (241 bar)
- Viscosity Range: 36 to 3000 SSU (3 to 647 cSt)
- Filtration: ISO 18/16/13
- Media Operating Temp. Range: -40° to 250°F (-40° to 120°C)
- Weight: .30 lbs (.14 kg)
- Operating Fluid Media: General Purpose Hydraulic Fluid
- Cartridge Torque Requirements: 25 ft-lbs (34 Nm)
- Cavity: POWER 2W
- Cavity Form Tool (Finishing): 40500005
- Seal Kit: 21191100

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.
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W 40 / 2017

DIMENSIONS

ORDERING INFORMATION

PB-RVA

OPTIONS
Buna Standard 00
Viton Standard V0
Buna, Knob 0K
Viton, Knob VK

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

PRESSURE RANGE/SETTING
0800 100 - 800 PSI
2000 800 - 2000 PSI
3500 2000 - 3500 PSI

Body Weight: .39 lbs (.18 kg)