DE-RCD DIFFERENTIAL AREA RELIEF VALVE

DESCRIPTION

OPERATION
The DE-RCD blocks flow from (1) to (2) until sufficient pressure is present at (1) to force the poppet to open and allow metered flow from (1) to (2). 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

Installation Space Saving Product. Cannot be field adjusted. Not recommended for crossover relief valve applications, use DE-RWD.

PERFORMANCE

Actual Test Data (Cartridge Only)

<table>
<thead>
<tr>
<th>Flow (GPM)</th>
<th>Pressure Drop (PSI)</th>
<th>Flow (LPM)</th>
<th>Pressure Drop (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2500</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3500</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

VALVE SPECIFICATIONS

- Nominal Flow: 15 GPM (57 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: 37 lbs (.17 kg)
- Operating Fluid Media: General Purpose Hydraulic Fluid
- Cartridge Torque Requirements: 30 ft-lbs (40.6 Nm)
- Cavity: DELTA 2W
- Cavity Form Tool (Finishing): 40500000
- Seal Kit: 21191200

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.
Body Weight: .47 lbs (.21 kg)

ORDERING INFORMATION

DE-RCD – – – –

OPTIONS
Buna Standard 00
Viton Standard V0

BODIES
Blank Without Body
N 3/8 NPTF Ports
S #8 SAE Ports

PRESSURE RANGE/SETTING
2500 100 - 2500 PSI
3500 250 - 3500 PSI

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