DG-PCB  PRESSURE COMPENSATING VALVE, RESTRICTIVE TYPE WITH BY-PASS

DESCRIPTION
10 size, 7/8-14 thread, “Delta” series, pressure compensating valve, restrictive type with bypass.

OPERATION
The DG-PCB allows pressure compensated or proportional flow from (1) to (2) regulated by the pressure differential across (1) and (4) with a bypass of (4) to (3). The spring chamber is constantly connected at (1).

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

HYDRAULIC SYMBOL

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.

DG-PCB is not intended for differential pressure more than 1500 PSI from (4) to (3). Consult Factory for abrupt pressure change applications that exceed 1500 PSI for alternative products.

PERFORMANCE
Actual Test Data (Cartridge Only with 150 PSI Spring)
10 GPM Supply flow, .110” Orifice, 150 PSI spring
15 GPM Supply flow, .156” Orifice, 150 PSI spring - 1500 PSI load on port (3)

VALVE SPECIFICATIONS
Nominal Flow 10 GPM (38 LPM)
Rated Operating Pressure 3500 PSI (241 bar)
Typical Internal Leakage (150 SSU) 5 cu in/min (82 ml/min) per path
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 .38 lbs (.17 kg)
Operating Fluid Media General Purpose Hydraulic Fluid
Cartridge Torque Requirements 30 ft-lbs (40.6 Nm)
Cavity DELTA 4W
Cavity Form Tool (Finishing) 40500002
Seal Kit 21191214

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**DIMENSIONS**

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>DG-PCB</th>
<th>OPTIONS</th>
<th>BODIES</th>
<th>PRESSURE DIFFERENTIAL</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Buna Standard</td>
<td>Blank</td>
<td>Without Body</td>
</tr>
<tr>
<td></td>
<td>Viton Standard</td>
<td>N</td>
<td>1/4&quot; NPTF Ports</td>
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<tr>
<td></td>
<td>00</td>
<td>S</td>
<td>#6 SAE Ports</td>
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</tbody>
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Body Weight: .99 lbs (.45 kg)