Pressure-Reduction Valve
NG 6 ISO 4401, piloted, sandwich platte
Technical Data Sheet
**Technical Data**

**General**
- Type of valve: piston valve
- Mounting method: sandwich plate
- Connection: mounting plate
- Mounting position: mountable in any position
- Ambient temperature: -5 to +50 °C
- Weight valve: 1.2 kg

**Hydraulic**
- Operation pressure P,A,B: max. 315 bar
- Operation pressure T: max. 160 bar
- Pressure step: 63 bar; 100 bar; 160 bar; 210 bar
- Hydraulic oil temperature: -5 to +70 °C
- Viscosity range: 20 to 400 mm²/s
- Volume flow: max. 40 l/min
- Nominal flow: characteristic curve

**Features**
- Damped piston valve, piloted
- Small hysteresis
- Several pressure step

**Options**
- Several adjustment methods

**Symbol**

**DY40** pressure reduction in P

**DY41** pressure reduction in A

1: DY40  
2: DY41 - min. adjusted pressure (pressure gradient check valve)  
3: DY41 - check valve and pressure-reduction valve open

viscosity hydraulic oil 32 mm²/s
DY40 pressure reduction in P

DY41 pressure reduction in A

dimensions in mm
Port Connection Pattern NG 6 ISO 4401

view: fastening side of mounting plate

<table>
<thead>
<tr>
<th>P</th>
<th>A</th>
<th>T</th>
<th>B</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø max [mm]</td>
<td>7.5</td>
<td>7.5</td>
<td>7.5</td>
<td>7.5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>x  [mm]</td>
<td>21.5</td>
<td>12.7</td>
<td>21.5</td>
<td>30.2</td>
<td>0</td>
<td>40.5</td>
<td>40.5</td>
<td>0</td>
</tr>
<tr>
<td>y  [mm]</td>
<td>25.9</td>
<td>15.5</td>
<td>5.1</td>
<td>15.5</td>
<td>0</td>
<td>-0.75</td>
<td>31.75</td>
<td>31</td>
</tr>
</tbody>
</table>

F: M5, thread depth minimum 1.5 x Ø
G: bore hole depth minimum 1.5 x Ø
Various single and multiple mounting plates are available.

Type Code

DY 40 - 6 - 63 H Z 300 S

adjustment

design version

design

design code

max. adjustable pressure

nominal size

symbol

40 = pressure reduction in P
41 = pressure reduction in A

pressure valve, piloted

material number