Pressure-Reduction Valve NG 4 ISO 4401, sandwich-plate valve Technical Data Sheet
Technical Data

General
Type  piston valve
Fastening method  sandwich plate
Mounting method  mounting plate
Mounting positions  any
Ambient temperature  -5 to +50 °C
Weight  0.6 kg

Hydraulic
Operation pressure P,A,B  max. 315 bar
Pressure steps  3 - 30 bar;
               5 - 60 bar;
               10 - 150 bar;
               20 - 250 bar
Hydraulic oil temperature  -5 to +70 °C
Viscosity range  10 to 300 mm²/s
Operating flow range  characteristic curve

Features
• damped piston valve
• small hysteresis
• several pressure steps
• compact design

Options
• measuring connection 1/8"
• several adjustment elements

Symbol
D40 pressure reduction in P
D41 pressure reduction in B

Characteristic Curve

p [bar]  Q [l/min]

for hydraulic oil 35 mm²/s, 50°C
* min. adjustable pressure
** max. adjustable pressure
Dimensional Drawing

Option:
measuring connection 1/8"

Adjustment Elements

design S
S = setting screw

design K; P
K = cover
P = cover with lead seal
design G
G = star knob

design H
H = handwheel
design D
D = rotary knob
design V
V = rotary knob and lock

all dimensions in mm
Port Connection Pattern NG 4 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>4.5</td>
<td>4.5</td>
<td>4.5</td>
<td>4.5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>x [mm]</td>
<td>12</td>
<td>4.3</td>
<td>12</td>
<td>19.7</td>
<td>0</td>
<td>24</td>
<td>24</td>
<td>0</td>
</tr>
<tr>
<td>y [mm]</td>
<td>20.25</td>
<td>11.25</td>
<td>2.25</td>
<td>11.25</td>
<td>0</td>
<td>-0.75</td>
<td>23.25</td>
<td>22.5</td>
</tr>
</tbody>
</table>

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

Type Code

D 40 - 4 - 60 MZ 300 S MA1

- measuring connection 1/8"
- adjustment element
- design code
- design
- max. adjustable pressure
- nominal size
- symbol
  - 40 = pressure reduction in port P
  - 41 = pressure reduction in port B
- pressure valve
- material number