Description

Counter balance valves are seat type valves. They offer free-flow from their port B to A and give leak free closure in opposite direction up to a predetermined pressure. This predetermined cracking pressure can be adjusted within its maximum specified range.

Unit dimension

<table>
<thead>
<tr>
<th>Size</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>L4</th>
<th>L5</th>
<th>L6</th>
<th>L7</th>
<th>L8</th>
<th>H1</th>
<th>H2</th>
<th>H3</th>
<th>B1</th>
<th>G</th>
<th>ØD1</th>
<th>ØD2</th>
<th>T1</th>
<th>Mass kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>95</td>
<td>10</td>
<td>75</td>
<td>35</td>
<td>25</td>
<td>58</td>
<td>156</td>
<td>3</td>
<td>23</td>
<td>25</td>
<td>70</td>
<td>40</td>
<td>G1/2</td>
<td>9</td>
<td>30</td>
<td>17</td>
<td>1.95</td>
</tr>
<tr>
<td>20</td>
<td>140</td>
<td>10</td>
<td>110</td>
<td>40</td>
<td>45</td>
<td>74</td>
<td>218</td>
<td>4</td>
<td>25</td>
<td>50</td>
<td>100</td>
<td>60</td>
<td>G1</td>
<td>11</td>
<td>44</td>
<td>19</td>
<td>--</td>
</tr>
</tbody>
</table>
Technical specification

Construction ........................................ Direct acting, seat type.
Mounting type ....................................... Threaded port body.
Mounting position .................................. Optional
Direction of flow .................................... From port A to B.
Flow handling capacity (Nominal) ............. Size 10 ...... 30 l / min.
                                           Size 20 ...... 115 l / min.
Operating pressure ............................... 315 bar.
Cracking pressure ................................. Refer ordering code.
Hydraulic medium .................................. Mineral oil.
Viscosity range .................................... 10 cSt to 380 cSt.
Fluid temperature range ......................... -20 °C to +70 °C
Fluid cleanliness requirement .................. As per ISO 16/13. or better.
Mass .................................................... Refer individual table.

Ordering code

CB S 10 T 1 05

Counter Balance Valve
Set screw
Size 10
Threaded type

Design code subject to change.
Installation dimensions remain same for design code 01 thru 09.

Cracking Pr. (bar)
1 2 to 12.5
2 2 to 25
3 5 to 50
4 10 to 100
5 10 to 160
6 20 to 200

Note:
Fixing screws and subplate to be ordered separately

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