Features

Simple high-low 2-speed control can be attained by stacking this block on top of a high-low base block and manifold, which configures a speed control circuit.

Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Nominal Diameter (Size)</th>
<th>Maximum Working Pressure MPa[kgf/cm²]</th>
<th>Maximum Flow Rate ℓ/min</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>OB-G01-W-20</td>
<td>1/8</td>
<td>25 (255)</td>
<td>50</td>
<td>1.5</td>
</tr>
<tr>
<td>OB-G01-W-H-20</td>
<td></td>
<td></td>
<td></td>
<td>2.5</td>
</tr>
<tr>
<td>OB-G03-W-J30</td>
<td>3/8</td>
<td>25 (255)</td>
<td>100</td>
<td>4.5</td>
</tr>
<tr>
<td>OB-G03-W-H-J30</td>
<td></td>
<td></td>
<td></td>
<td>7.1</td>
</tr>
</tbody>
</table>

Handling

1. If a base block is required, use MOB-01Y-W*-10 for the 01 size and MOB-03X-B*-J30 for the 03 size, because their valve pitches match. MOB-01X-B*-10 has a different valve pitch, and so cannot be used.

2. When installing this block, make sure the nameplate is oriented so it can be read correctly from the A port side.

3. Both of the cylinder ports on this block's manifold side (bottom) are open. Because of this, close one of the base block cylinder ports (A1, B1 or A2, B2 on the next page), or modify the manifold so it has a single cylinder port only.

4. Note that installation bolts are not included. See pages D-90 through D-95 if these items are required.

Explanation of model No.

OB – G 01 – W – (H) – 20

Design number

Note: For 03 size, relationship between mounting bolts and design number is indicated as J30: M6, 30 : M8.

Auxiliary symbol    H: 40mm thick (01 size)
50mm thick (03 size)

High-low system

Nominal diameter (size) 01, 03

Mounting method    G: Gasket type

High-low system block

Example of Typical Circuit

High-speed

Low-speed

High-low system block

Use either one.
Installation Dimension Drawings

OB-G01-W-20

OB-G01-W-H-20

OB-G03-W-J30

OB-G03-W-H-J30

Seal Part List

<table>
<thead>
<tr>
<th>Size</th>
<th>Part Name</th>
<th>Part Number</th>
<th>Q'ty</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>O-ring</td>
<td>AS568-012NBR-90</td>
<td>8</td>
</tr>
<tr>
<td>03</td>
<td>O-ring</td>
<td>NBR-90 P12</td>
<td>10</td>
</tr>
</tbody>
</table>

Note) The materials and hardness of the O-ring conform with JIS B2401.