Features

1. The end plate is a modular valve plate used to close off a circuit that is not required, and when using a relief modular valve in a stand-alone configuration.
2. The free flow plate is a modular valve plate used in a one-way circuit that does not require a solenoid valve.
3. The 03/01 change plate makes it possible to use an 01 size modular valve with an 03 size sub-plate and base block.
4. The 06/04 change plate makes it possible to use an 04 size modular valve with an 06 size sub-plate and base block.

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>MOB-G01-10</td>
<td>1/8</td>
<td>25 (255)</td>
<td>50</td>
<td>0.3</td>
</tr>
<tr>
<td>MOB-G01-H-10</td>
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<td></td>
<td></td>
<td>0.6</td>
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<tr>
<td>MOB-G01-A-10</td>
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<td></td>
<td></td>
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<tr>
<td>MOB-G01-B-10</td>
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</tr>
<tr>
<td>MOB-G03-J50</td>
<td>3/8</td>
<td>25 (255)</td>
<td>100</td>
<td>1.4</td>
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<td>MOB-G03-H-50</td>
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<td></td>
<td>2.5</td>
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<td>MOB-G03-A-J50</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MOB-G03-B-J50</td>
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<td></td>
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<tr>
<td>MOB-G03-A-H-50</td>
<td></td>
<td></td>
<td></td>
<td>1.3</td>
</tr>
<tr>
<td>MOB-G03-B-H-50</td>
<td></td>
<td></td>
<td></td>
<td>2.3</td>
</tr>
<tr>
<td>MOB-G03-AA-J50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MOB-G06-AA-5411A</td>
<td>3/4</td>
<td>21 (214)</td>
<td>200</td>
<td>8.0</td>
</tr>
</tbody>
</table>

Explanation of model No.

- **Design number**: Note: Auxiliary symbol (tightening height) and design number (G03 size)
  - J50: M6 type 26.5mm
  - 50: M8 type 23.4mm
  - H-50: M8 type 58mm (stop plate and relief low plate only)
  - 5411A: 06/04 conversion plate (special item)

- **Auxiliary symbol**: H: Tightening height 36mm (01 size), 58mm (03 size)

- **Port connection status**: None: All ports blocked (stop plate)
  - P → A, B → T (Free-flow plate)
  - P → A, B → T (03/01 Switching plate)
  - T → A, B → T (06/04 Conversion plate)

- **Model No.**
  - MOB-G01-10
  - MOB-G01-H-10
  - MOB-G03-J50
  - MOB-G03-H-50
  - MOB-G03-A-J50
  - MOB-G03-B-J50
  - MOB-G03-A-H-50
  - MOB-G03-B-H-50
  - MOB-G03-AA-J50
  - MOB-G06-AA-5411A

- **Bolt Dimensions**
  - M5×25
  - M5×45
  - M6×35
  - M8×35
  - M8×70
  - M12×70

- **Handling**: Installation bolts are not included. Use the table to the right to specify bolts for stand-alone use.
Installation Dimension Drawings

MOB-G01-10

MOB-G01-H-10

MOB-G01-A (B) -10

MOB-G03-J50

MOB-G03-H-50

MOB-G03-A (B) -J50

MOB-G03-A (B) -H-50

MOB-G03-AA-J50

MOB-G03-A-H-50

MOB-G06-AA-5411A

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>AS568-012(NBR-90)</td>
<td>4</td>
</tr>
<tr>
<td>03</td>
<td>O-ring</td>
<td>AS568-014(NBR-90)</td>
<td>5</td>
</tr>
<tr>
<td>06</td>
<td>O-ring</td>
<td>NBR-90 P28</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>O-ring</td>
<td>NBR-90 P20</td>
<td>2</td>
</tr>
</tbody>
</table>

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

Performance Curves

Pressure Loss Characteristics

MOB-G03-A-J50

Hydraulic Operating Fluid
Kinematic Viscosity 32mm²/s

Flow rate ℓ/min

Pressure Loss MPa [kgf/cm²]

0 0.2 0.4 0.6 0.8 1.0 1.2 1.4
0 20 40 60 80 100 120

MOB-G03-A-J50

Model No.    D    H    d
MOB-G03-A-50 14   23.4 8.5
MOB-G03-A-J50 11  26.5 6.5