Load Shuttle Valve, Ball Type, Modular
LV1-063/M
Size 06 (D03) • Q_{max} 40 l/min (11 GPM) • p_{max} 320 bar (4600 PSI)

Technical Features
› Load shuttle valve, ball type with subplate mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
› Sandwich plate design for use in vertical stacking assemblies
› Rapid response to changes in load direction
› hardened precision parts
› Sharp-edged steel seats for dirt-tolerant performance
› leak-free closing, suitable for durable fast-cycling
› High flow capacity
› In the standard version, the valve housing is phosphated and steel parts are zinc-coated for 240 h protection acc. to ISO 9227

Functional Description
This high pressure shuttle valve in sandwich design is used in vertical stack assemblies to prioritize flows of higher pressure over those with lower pressure. Tightness between ports 1 and 3 is ensured by a sharp-edge steel valve seat.

Technical Data

<table>
<thead>
<tr>
<th>Valve size</th>
<th>06 (D03)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. flow</td>
<td>l/min (GPM)</td>
</tr>
<tr>
<td>Max. operating pressure</td>
<td>bar (PSI)</td>
</tr>
<tr>
<td>Fluid temperature range (NBR)</td>
<td>°C (°F)</td>
</tr>
<tr>
<td>Fluid temperature range (FPM)</td>
<td>°C (°F)</td>
</tr>
<tr>
<td>Weight</td>
<td>kg (lbs)</td>
</tr>
</tbody>
</table>

Datasheet
Type
General information
Mounting interface
Spare parts
GI_0060
SMT_0019
SP_8010

Characteristics measured at v = 32 mm²/s (156 SUS)

Pressure drop related to flow rate

Flow direction
1 A → X
2 B → X
Dimensions in millimeters (inches)

Ordering Code

LV1-063 / M

Load shuttle valve, ball type, modular

Model
sandwich plate design

No designation

Surface treatment
- standard
- A: zinc-coated (ZnCr-3), ISO 9227 (240 h)
- B: zinc-coated (ZnNi), ISO 9227 (520 h)

Seals
- NBR
- FPM (Viton)