Pneumatic & Hydraulic Accessory Valves
Shuttle Valves
up to 690 bar

Superior performance throughout the full operational range

Features:
- 316L stainless steel
- Arctic Service options to -50°C
- Subsea availability
Hydraulic Shuttle Valve

MATERIALS OF CONSTRUCTION
All valve bodies: 316L stainless steel
Internal components: 316L stainless steel
Seat: 316L stainless steel / PEEK
Seals: Nitrile (standard) / PTFE.
Alternative elastomers available for extreme conditions.

TEMPERATURE RANGE:
See elastomer options

SOUR GAS SERVICE (REFER TO ORDERING CODE):
All internal wetted and body metal materials conforming to NACE MR-01-75.

SELECTION CHART:

<table>
<thead>
<tr>
<th>FP15/SV</th>
<th>15 lpm @ 10 bar DP. Max Valve Pressure 690bar</th>
<th>Model Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>1/4”NPT</td>
<td>Connections</td>
</tr>
<tr>
<td>S</td>
<td>Nitrile (-30°C to +130°C)</td>
<td>O-ring Material</td>
</tr>
<tr>
<td>V</td>
<td>Viton (-20°C to +180°C)</td>
<td>Option</td>
</tr>
<tr>
<td>SA</td>
<td>Low temperature Nitrile (-46°C to +130°C)</td>
<td></td>
</tr>
<tr>
<td>H2S</td>
<td>NACE MR-01-75 Consult Bifold Fluidpower</td>
<td></td>
</tr>
</tbody>
</table>

FP15/SV / 05 / S

Example Code

FP15 SHUTTLE VALVES
Up to 690 bar

TOPSIDE / SUBSEA SELECTION CHART:

<table>
<thead>
<tr>
<th>FP550/SV</th>
<th>Subsea 50 lpm @10 bar DP Max Valve Pressure 345bar</th>
<th>Model Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP50/SV</td>
<td>Topside</td>
<td>Connections</td>
</tr>
<tr>
<td>08</td>
<td>1/2”NPT</td>
<td>O-ring Material</td>
</tr>
<tr>
<td>S</td>
<td>Nitrile (-30°C to +130°C)</td>
<td>Option</td>
</tr>
<tr>
<td>V</td>
<td>Viton (-20°C to +180°C)</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

FP50/SV / 05 / S

Example Code

Mineral oils, water glycol mixtures, sea water (filtered), some chemicals.

WORKING PRESSURE:
Up to 690 Bar (10,000PSI).
Pneumatic Shuttle Valves

**Operating Media**
- Air, sweet and sour gas

**Operating Pressure**
- 0-12 bar standard

**Mechanical Construction**
- Body: stainless steel 316L
- Fasteners: Metric A4 18/10 316 grade stainless steel
- Seat Material: Viton (standard). Alternative elastomers available for extreme conditions

**Temperature Range:**
See selection chart model code.

**Selection Chart**

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Port Sizes</th>
<th>Configuration</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>S06 - SV - K6</td>
<td>06 - 1/4&quot; NPT; 09 - 3/8&quot; NPT; 12 - 1/2&quot; NPT; 19 - 3/4&quot; NPT; 25 - 1&quot; NPT</td>
<td>SV Shuttle Valve</td>
<td>BSPP ported</td>
</tr>
</tbody>
</table>

**Example:** S09-SV

**Ordering Example:**
- 06 - 1/4" NPT
- 09 - 3/8" NPT
- 12 - 1/2" NPT
- 19 - 3/4" NPT
- 25 - 1" NPT

**Working Pressures**
- 1/4":
  - 0 - 12 bar g
  - 0 - 12 bar g
  - 0 - 12 bar g
  - 0 - 12 bar g
- 3/8":
  - 0 - 12 bar g
- 1/2":
  - 0 - 12 bar g
- 3/4":
  - 0 - 12 bar g
- 1":
  - 0 - 12 bar g

**Cv**
- 0.9 (in to cyl)
- 1.7
- 1.9
- 6.5
- 8.2

**Ordering Example:** S09-SV

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**Reliability and innovation in directional control valves**

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**Hydraulic + Pneumatic Shuttle Valves**

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All Bifold Fluidpower products are manufactured to a most stringent QA programme. Every care is taken at all stages of manufacture to ensure that every product will give optimum performance and reliability. We are recognised to EN ISO 9001:2000. Functional test certificate, letter of conformity and copies of original mill certificates, providing total traceability are available on request, to BSEN 10204 3.1.B where available. The manufacturer reserves the right to make changes to the specifications and design etc., without prior notice.

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