Pilot & Mechanical Valve

Model Domino Junior

Up to 10 bar operating pressure

Superior performance throughout the full operational range

Features:
- 316L stainless steel
- Arctic Service options to -60°C
- Air, sweet & sour gases, hydraulic oil
**TECHNICAL INFORMATION**

**OPERATING MEDIA**
- Air, sweet and sour gas, hydraulic oil

**FLOW PERFORMANCE**
- 1-2: 25 SCFM, 12 Nl/sec, 708 Nl/min
- 2-3: 32 SCFM, 15 Nl/sec, 906 Nl/min

**OPERATING PRESSURE**
- 0 - 10 bar: standard service
- 0 - 8 bar: ASJE/ASJJE/ASJE/AHSJE

**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
- **Springs:** Stainless steel 316L
- **Ports:** 1/4" thread milled NPT (BSPP options available)

**TEMPERATURE RANGE:**
- SJE/HSJE/SJE/HSJJE: -20°C to +180°C
- ASJE/AHSJE/ASJJE/AHSJJE: -60°C to +40°C

**LOGIC VALVES - PREFERRED MODEL LIST**

**PILOT VALVES:**

- SJE06-P1-32-NU-00: 1/4" NPT, Pilot operated, 3 way 2 position, normally universal, (2/2 and 3/2 normally closed operation) spring return, C.v. 0.7, 10 bar (BBB)
- SJE06-P1-32-NU-P1: 1/4" NPT, Pilot operated, 3 way 2 position, normally universal, pilot return, C.v. 0.7, 10 bar (BBB)
- SJE06-M12-32-NU-00: 1/4" NPT, Cam operated, 3 way 2 position, normally universal, spring return, C.v. 0.7, 10 bar (BBB)

**MECHANICAL VALVES:**

- SJE06-2-PV: 1/4" NPT, 2 way 2 position, push button to block, pull button to bleed, C.v. 0.7 10 bar (BBB)
- SJE06-3-PV: 1/4" NPT, 3 way 2 position, push button to block, pull button to bleed, C.v. 0.7 10 bar (BBB)

**PANIC VALVES:**

- SJE06-P1-32-NC-M15-K54: 1/4" NPT, Pull button or energise pilot to operate, normally closed, spring return, C.v. 0.7, 10 bar (BAB)

**SEAL REPAIR KITS**
- example codes:
  - SRKSJE06-P1/00-VITON
  - SRKSJE06-P9-VITON
  - SRKSJE06-M1-VITON
Reliability and Innovation in directional control valves

**SJJE06-P1-32-NC-M16-K54**  
1/4" NPT, Pull button or energise pilot to operate, mechanical latch, normally closed, spring return, C.v. 0.7, 10 bar (BAB)

**SJJE06-P9-32-NC-M15-K54**  
1/4" NPT, Pull button to energise air latch pilot, normally closed, spring return, C.v. 0.7, 10 bar (BAB)

**SJJE06-P9-32-NC-M15-K54-K27C**  
1/4" NPT, Pull button or energise air latch pilot, normally closed, spring return with eyeball indicator from port 2 (green on, red off), C.v. 0.7, 10 bar (BAB)

**SJJE06-P9-32-NC-M16-K54-K27C**  
1/4" NPT, Pull button or energise pilot and pull button to operate, mechanical latch, normally closed, spring return with eyeball indicator from port 2 (green on, red off), C.v. 0.7, 10 bar (BAB)

**SJJE06-P9-32-NC-M16-K54**  
1/4" NPT, Pull button or energise pilot and pull button to operate, mechanical latch, normally closed, spring return, preliminary latch pin, C.v. 0.7, 10 bar (BAB)

**SJJE06-P9X-32-NC-M15-K54-K27P**  
1/4" NPT, Pull button to energise air latch pilot, normally closed, spring return, with eyeball indicator from pilot with restricted feed to port 2 in energised state (green on, red off) C.v. 0.7, 10 bar (BAB)

**RESET VALVES:**

**SJJE06-M2-32-NU-00**  
1/4" NPT, shrouded push button, normally universal, spring return, C.v. 0.7, 10 bar

**SJJE06-M2-32-NU-00-K10**  
1/4" NPT, push button, normally universal, spring return, C.v. 0.78, 10 bar

**SJJE06-M14-32-NU-04**  
1/4" NPT, push/pull button, normally universal, detented, C.v. 0.7, 10 bar
### SELECTION CHART : J06

<table>
<thead>
<tr>
<th>SJE06</th>
<th>HSJE06</th>
<th>ASJE06 / AHSJE06</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>gaseous service</td>
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<tr>
<td></td>
<td></td>
<td>hydraulic service</td>
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<td></td>
<td></td>
<td>arctic service (-50°C) gaseous / hydraulic</td>
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<tr>
<td>See Note below</td>
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<tr>
<td><strong>Model Code</strong></td>
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<tr>
<td>P1</td>
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<td></td>
</tr>
<tr>
<td>M11</td>
<td>plunger actuator</td>
<td></td>
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<tr>
<td>M12</td>
<td>roller cam operated</td>
<td></td>
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<tr>
<td>M52</td>
<td>key operator</td>
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<tr>
<td><strong>Primary Actuator</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>2-way, 2-position</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>3-way, 2-position</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>5-port, 2-position</td>
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</tr>
<tr>
<td><strong>Configuration</strong></td>
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<td></td>
</tr>
<tr>
<td>NC</td>
<td>Normally Closed</td>
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</tr>
<tr>
<td>NO</td>
<td>Normally Open</td>
<td></td>
</tr>
<tr>
<td>NU</td>
<td>Normally Universal</td>
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<tr>
<td>XX</td>
<td>52 valves only</td>
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<tr>
<td><strong>Configuration</strong></td>
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<td></td>
</tr>
<tr>
<td>00</td>
<td>spring return end cap</td>
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<tr>
<td>P1</td>
<td>pilot operator</td>
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<tr>
<td>M11</td>
<td>plunger actuator</td>
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</tr>
<tr>
<td>M12</td>
<td>roller cam operated</td>
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<tr>
<td><strong>Return Devices</strong> - <strong>Secondary Actuator</strong></td>
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<tr>
<td>Air Pilot -</td>
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<tr>
<td>Hand / Mechanical -</td>
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<tr>
<td><strong>Options</strong></td>
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</tr>
<tr>
<td>K4</td>
<td>valve exhaust bug vent</td>
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</tr>
<tr>
<td>K6</td>
<td>BSPP port option</td>
<td></td>
</tr>
<tr>
<td>K54</td>
<td>block after bleed (std for HSJ/AHSJ)</td>
<td></td>
</tr>
<tr>
<td>L26</td>
<td>proximity switch (consult BFP)</td>
<td></td>
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<tr>
<td><strong>Ordering Example</strong></td>
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</tbody>
</table>

**NOTE:** The bodies of the 3 way 2 position junior range have been reduced from 1 1/2" bar stock to 1 1/4" bar stock. This has been reflected by the addition of the letter 'e' in the part code e.g. SJJE06, SJE06 etc. This is applicable to all options except for when using K27 and 5 way 2 position which will remain as SJJ06 etc.
SELECTION CHART : JJ06

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>SJJE06 / HSJJJE06</td>
<td>gaseous / hydraulic service</td>
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<tr>
<td>ASJJJE06 / AHSJJJE06</td>
<td>arctic service (-50°C) gaseous / hydraulic service</td>
</tr>
<tr>
<td>P1</td>
<td>pilot operator</td>
</tr>
<tr>
<td>P9</td>
<td>air latch pilot operator</td>
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<tr>
<td>P92</td>
<td>air latch pilot operator - HSJJ or AHSJJ only</td>
</tr>
<tr>
<td>M2</td>
<td>shrouded push button panel mounting</td>
</tr>
<tr>
<td>M9</td>
<td>push / pull (padlockable) panel mounting</td>
</tr>
<tr>
<td>M14</td>
<td>push / pull panel mounting</td>
</tr>
</tbody>
</table>

| Ordering Example | SJJE06 - P9 - 32 - NC - M16 - K54 |

**Options**

- K4: valve exhaust bug vent
- K6: BSPP port option
- K10: black plastic button
- K22: extra panel mount ring
- K27: eye ball indicator - M15 / M16 only
- K28: red plastic button
- K54: block after bleed (std for M15/M16 and HSJJ/AHSJJ series)
- L26: proximity switch (consult Bifold Fluidpower Ltd)

**Configuration**

- 00: spring return end cap
- 04: blanking cap - M9 & M14 only
- 05: detented action end cap - M9 & M14 only
- M15: pull button spring return with panel mount
- M16: pull button spring return with preliminary latch & panel mount

**Return Devices - Secondary Actuator**

- Hand / Mechanical

**Primary Actuator**

- Configuration

**Options**

- Hand / Mechanical

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