Valve Actuator

- Several models available
- Hazardous atmosphere models carry CSA listing
- Network control via MODBUS RTU protocol
- Programmable variable speed
- Maximum torque of 2000 Nm
- Select single or bi-directional operation
- Select interactive ports to bypass
- Designed for rugged oil field service
- Single-phase, three-phase VAC or 24VDC
- Third-party test programmer compatible
- Automation can be added at anytime without additional modifications

The RSV Actuator Supports: Diagnostic Software Supports:

- Programmable variable speed
- Single or bi-directional operation
- Continuous 360° drive capable
- Fastest time to port

- Windows®-based interface
- Event monitoring
- Data logging
- Data export

Cast Aluminum Housing

Low Torque, Low Inertia Motor

Double Seal Compartments

Local Controls

Local Indicator

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Flow Control Systems

ROTARY SELECTOR VALVE and ACTUATOR
Rotary Selector Valve and Actuator

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Industry Applications
- Oil and Gas - Onshore and Offshore
- Water and Wastewater Treatment Plants
- LNG Operations
- Test Separators
- Refining
- Power
- Chemical
- Pulp and Paper

Self-contained skid units with oil-water separators
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- Designs for ANSI Class 150, 300, 600, 900 and 1,500
- Flanged or NPT models available

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet Size</th>
<th>Outlet No.</th>
<th>Outlet Size</th>
<th>Cv (gpm)</th>
<th>Flow Static Pressure (psi)</th>
<th>Flow Test Outlet</th>
<th>Cv (gpm)</th>
<th>Flow Test Outlet</th>
<th>Cv (gpm)</th>
<th>Total Weight (lbs)</th>
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</thead>
<tbody>
<tr>
<td>RSV</td>
<td>2&quot; NPT</td>
<td>4</td>
<td>34.62</td>
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<tr>
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<td>50.16</td>
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<td>72</td>
<td>50.16</td>
<td>15.75</td>
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</tbody>
</table>

System Requirements
- Windows®-based interface
- MODBUS Line
- IR Tool
- PDA Hand Held Device
- Manual or remote operation
- Easy installation
- Self-contained skid units with oil-water separators

Working pressures at ambient temperature. Elevated temperatures reduce maximum working pressure. Additional tables and system designs are available.
The RSV Actuator Supports:
• Programmable variable speed
• Single or bi-directional operation
• Continuous 360° drive-capable
• Fastest time to port

Diagnostic Software Supports:
• Windows®-based interface
• Event monitoring
• Data logging
• Data export
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**Specifications**

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**Rotary Selector Valve & Actuator**

<table>
<thead>
<tr>
<th>Inlet Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>3&quot; NPT</td>
<td>34.62&quot;</td>
<td>22.56&quot;</td>
<td>6.81&quot;</td>
<td>15.75&quot;</td>
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<td>42.80&quot;</td>
<td>32.90&quot;</td>
<td>9.31&quot;</td>
<td>15.75&quot;</td>
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<tr>
<td>4&quot; Flanged</td>
<td>50.16&quot;</td>
<td>36.90&quot;</td>
<td>10.30&quot;</td>
<td>16.91&quot;</td>
</tr>
<tr>
<td>6&quot; Flanged</td>
<td>62&quot;</td>
<td>56&quot;</td>
<td>32&quot;</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

**Inlet Size**

- 2" NPT
- 3" NPT
- 3" Flanged
- 4" Flanged
- 6" Flanged

**Options Available:**
- Welded Flanged NPT
- Electroless Nickel Teflon Coating
- Stainless Steel Trim
- HVOF Coatings

---

**Valve Body**

- ASTM A-395
- ASTM A-216 WCC
- ASTM A-216 WCB
- ASTM A-516 Grade 70
- ASTM A-487 Grade 4A

**Bolting**

- ASTM A193-B7M
- ASTM A193-B7M
- ASTM A193-B7M
- ASTM A193-B7M
- ASTM A193-B7M
- ASTM A193-B7M

**Weight**

- 145 lbs
- 154 lbs
- 200 lbs
- 850/950 lbs
- 1150 lbs
- 1875 lbs
- 4750 lbs

**Max Port Seal Differential Pressure**

- 1000 psi
- 1000 psi
- 800 psi
- 1000 psi
- 1000 psi
- 1000 psi

**Standard Maximum Temp (°F)**

- 225
- 25
- 225
- 25
- 225
- 25
- 225

**Hi-Temp Maximum Temp (°F)**

- 400
- 500
- 400
- 500
- 400
- 500
- 500

**Flow Test Outlet CV (gpm)**

- 290
- 290
- 72
- 72
- 72
- 72
- 72

**Group Outlet CV (gpm)**

- 42
- 34
- 23
- 1058
- 1058
- 1058
- 1058

---

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---

**Laptop via MODBUS line**

**Laptop Via IR**

**PDA hand held device**

**IR Tool**

**Manual or remote operation**

**Easy installation**

**Self-contained skidunits with oil-waterseparators**

**Windows®-based interface**

---

**Working pressure at ambient temperature. Elevated temperatures reduce maximum working pressure. Additional sizes and multiport designs are available.**

---

**Rotary Selector Valve & Actuator Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Flanged</th>
<th>NPT</th>
<th>ANSI Class</th>
<th>Cv (gpm)</th>
<th>Flow Test Outlet</th>
<th>Group Outlet</th>
<th>Valve Head</th>
<th>Valve Body</th>
<th>Bolting</th>
<th>Weight</th>
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<tr>
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<th>2&quot; NPT</th>
<th>2&quot; NPT</th>
<th>3&quot; NPT</th>
<th>3&quot; NPT</th>
<th>4&quot; NPT</th>
<th>6&quot; NPT</th>
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<tr>
<td>Valve Size A</td>
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<td>34.62&quot;</td>
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<td>15.75&quot;</td>
<td>16.40&quot;</td>
<td>24&quot;</td>
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</table>

Weight

<table>
<thead>
<tr>
<th>Size</th>
<th>145 lbs</th>
<th>154 lbs</th>
<th>200 lbs</th>
<th>200 lbs</th>
<th>850/950 lbs</th>
<th>1150 lbs</th>
<th>1875 lbs</th>
<th>4750 lbs</th>
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