HEAVY-DUTY CONTROL VALVE
TYPE 3525
High Pressure Globe Valve for the Energy Industry
FEATURES AND BENEFITS

Rolling Diaphragm
- Greatly reduced wear compared to stretching diaphragm designs
- Very low external air loss

Field Reversible Multi-Spring Actuator
- Reduced height and weight
- Easily convert between fail actions

Field Adjustable Flow Capacity
- Manually adjust and set the maximum flow capacity of the valve
- Excellent for applications where pressures and Cv requirements vary throughout the lifetime of the process

Standard Self-Adjusting Low Emission Packing
- Maintenance free - no tightening or adjustment required
- Evenly applied pressure from single packing gland that cannot be overtightened
- Low friction – improved lifetime

Interchangeable Parts
- Many common parts throughout the entire range of sizes and pressure classes
- Reduces required spare parts inventory

Robust Trim Materials
- Standard Stellite 6 plug and seat
- Optional tungsten carbide plug and seat for extremely abrasive service

Heavy Duty Guide
- Ensures precise plug alignment and stability
DESIGNED FOR OIL AND GAS PROCESSING

The Type 3525 valve was designed to deliver versatility and long life in a compact unit that is easy to service.

ENERGY INDUSTRY DEMANDS
- Increased uptime
- A valve that can adapt to changing conditions
- Easy maintenance for field personnel

OUR SOLUTION
- High-quality materials, exacting tolerances, powerful actuator
- Field-adjustable flow rate and fail-safe action
- A robust design that does not require any special tools

TYPICAL APPLICATIONS
- Separators
- Compressors
- Meter skids
- Knockdown vessels
- Vapor recovery
- Dehydration units
- Refrigeration plants
- Sweetening units
- Scrubbers
- Fractionation
COMMON NATURAL GAS APPLICATIONS

Natural Gas Separators

RAW NATURAL GAS

NATURAL GAS DOWNSTREAM

SEPARATED WATER

HC LIQUIDS

3525 Globe Valve

3525 Compact
Globe Valve

3525 Compact
Globe Valve
COMMON NATURAL GAS APPLICATIONS

Natural Gas Compressors

VENT

NATURAL GAS DOWNSTREAM

SUCTION

3525 Compact Globe Valve

Rotary/Globe Valve

BLOWDOWN

3525 Globe Valve

RECYCLE / ANTI-SURGE

Rotary/Globe Valve

Rotary/Globe Valve

Rotary/Globe Valve
### TECHNICAL DETAILS

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Standard</th>
<th>Compact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Standard</td>
<td>Standard</td>
<td>Compact</td>
</tr>
<tr>
<td>Valve</td>
<td>Globe</td>
<td>Globe</td>
<td>Globe or T-body</td>
</tr>
<tr>
<td>Pattern</td>
<td>valve</td>
<td>valve</td>
<td></td>
</tr>
<tr>
<td>Valve</td>
<td>NPS 1 to 3</td>
<td>NPS 1 to 2</td>
<td>NPS 1</td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure Rating</td>
<td>Class 600 - 1500</td>
<td>Class 1700 (4250 psi)</td>
<td>Class 900</td>
</tr>
<tr>
<td>End Connections</td>
<td>Flanged, RF or RTJ</td>
<td>Female NPT</td>
<td>Female NPT</td>
</tr>
<tr>
<td>Body Material</td>
<td>A352 LCC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trim Material</td>
<td>Stellite 6 or tungsten carbide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated Cv Coefficients</td>
<td>4 to 47</td>
<td>4 to 38</td>
<td>7</td>
</tr>
</tbody>
</table>

**SAMSON’s** technology has proven its value worldwide in a variety of industries. We are trusted in many of the world’s most challenging applications to achieve precise control with a high level of safety and reliability.

SAMSON offers engineered solutions from a single source; with our extensive range of valves, actuators, and accessories we have the right products to suit your requirements. Our linear and rotary control valves automated with SAMSON positioners allow seamless integration into process control systems.

Our continuous investment in research and development allows us to stay at the cutting edge of technology. With over 100 years of experience and expertise, you can count on SAMSON to provide a robust solution for your application.