Effective control for demanding flows. After more than one hundred years of close cooperation with our customers, we at Flowserve know what it is all about. Our robust valve and actuators, together with our advanced positioners, are designed to cope with the demands and control of all types of flowing media. With the focus on performance. Flowserve’s products are compact, modular-built, high performance packages that are optimized for exact control and cost-effective continuous operation. They have an extremely long life span as all parts are of highest quality. And they’ll still be safe in the future as they use advanced technology and innovative solutions. Flowserve ensures a safe and cost-effective operation for our customers all over the world.
Applications

High capacity, large turndown, moderate pressure drops, economical usage
High flow rates based on unrestricted straight-through port

General Services
• When Globe- or Butterfly Valves are not suitable
• Chemical Industry – general services
• Petrochemical Industry – high temperatures, low emissions
• General Industries – Water, Oil, Gas

More Severe Services
• Abrasive, erosive and corrosive applications
• Slurry, 2-phase Flow
• Liquid or pneumatic conveying
• Pulp, ash sluice water, plastic granules etc.

Valtek Positioner Options

XL
Extreme accuracy dual-stage analog, electropneumatic / pneumatic positioner. Explosionproof or Intrinsically safe.

Logix 500si Series
Economical compact user friendly digital positioner. With or without communication. Intrinsically safe.

Logix 3000IQ Series
Full-featured double acting, high volume digital positioner with HART or Foundation Fieldbus communication. Explosionproof or Intrinsically safe.
Valtek ShearStream SB

The excellent control characteristic of ShearStream SB are particularly beneficial in general control conditions found in the Process- and Chemical Industry. This is a default choice for standard applications, standard material selections and for moderate pressure ratings.

Features

• Direct mounting of Turnex actuator
• One piece body
• Multiple packing options
• Tight shut-off
• Seat options
• Easy maintenance
• Characterized Ball Sector

Specification

<table>
<thead>
<tr>
<th>Material</th>
<th>Carbon Steel (WCB)</th>
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<tbody>
<tr>
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<td>Stainless Steel (CF8M)</td>
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<td>DIN DN25 to DN500</td>
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<td>Pressure Classes</td>
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<td>Wafer ANSI 1” to 8” / DIN DN25 to DN200</td>
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Options

ShearStream SB with Z-Trim

Works perfectly for steam regulation. ShearStream SB-Z can be used in a wide variety of applications and meets the highest demands for control accuracy. The unique Z-Trim design reduces noise and avoids cavitation by taking the pressure drop in several steps. The Z-trim is self-cleaning so it can also be used with slurries.

Environmental Packing

SafeGuard packing set is an approved, tested and certified packing arrangement in accordance with ISO 15848-1.

Turnex - Actuator package

Heavy duty actuator for high performance control. Turnex has a swing-link mechanism for scotch-yoke torque characteristics with no back-lash. Available as single- and double acting, fail open or fail close.

Direct mounted to Valve, Positioner, Solenoid Valves, Limit Switches. Compact actuator with low mass for easy mounting. Maintenance free for a long life. Integrated air channels. Splines for different stem diameters. Torque range of 100 – 20,000 Nm at 5 bar.
Valtek ShearStream HP

“Robust” describes Valtek ShearStream HP Segmented Ball Valve. Designed to overcome the problems of harsh, particle entrained processes, ShearStream HP also provides accurate, reliable control in a broad range of applications such as chemical, power and petro-chemical.

Features
- One piece body
- Segmented V-notch ball
- Heavy duty seat option
- Bi-directional flexible metal seat
- Flanged or wafer bodies
- Designed for higher pressure classes

Specification

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<td>Stainless Steel (CF8M)</td>
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<td>Other Alloys (Monel, Hastelloy B/C, Alloy 20, Titanium etc.)</td>
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<td>End Connections</td>
<td>Flanged, Wafer</td>
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Seat Options

Flexible Metal Seat

The flexible metal seat uses the pressure drops across the seal to enhance its shut-off characteristics in both directions.

Soft Seat

The Soft Seat utilizes PTFE or PEEK soft seat inserts. The soft seat is also available with a metal back-up seal.

Heavy Duty Seat

For applications requiring high pressure drops, the heavy duty seat provides tight shut-off and reliability. The sealed wave spring gives the seat consistent seating pressure that is long-lasting. The soft seat option for the Heavy Duty seat utilizes an UHMWPE insert.

Valtek – Spring Cylinder Rotary Actuator

The Valtek spring cylinder rotary actuator combines high torque and pneumatic stiffness with excellent throttling capabilities. These characteristics are designed into a lightweight, robust and compact assembly, making the Valtek rotary actuator the foremost choice for ShearStream HP.