



Valtek ShearStream Segmented Ball Valve Series



Experience In Motion

三千控制阀网
www.cv3000.com

Valtek ShearStream

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



Valtek ShearStream SB



Valtek ShearStream HP

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 granulates etc.

Valtek Positioner Options



XL90

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 HP

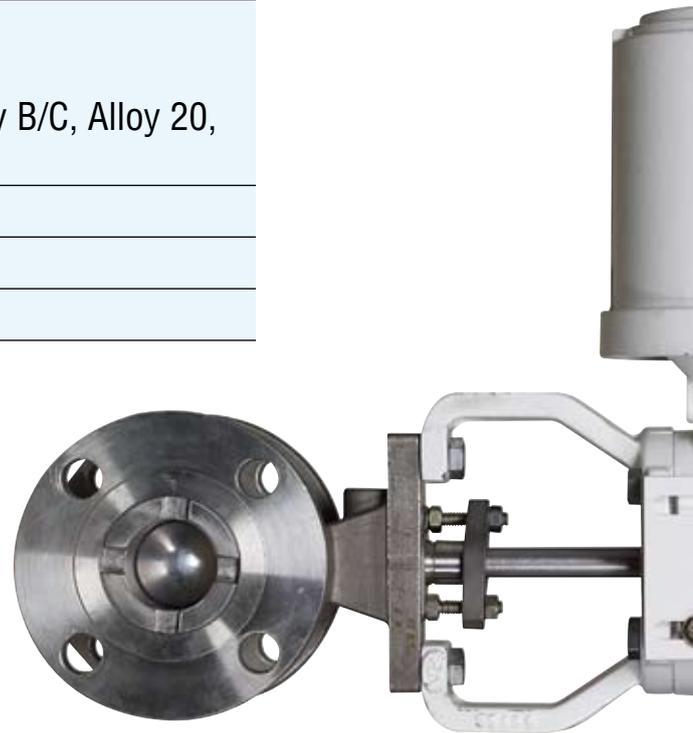
“Robust” describes Valtek ShearStream HP Segmented Ball Valve. Designed to overcome the problems of harsh, particle entrained processes, ShearStream HP also provides accurate, reliable control in a broad range of applications such as chemical, power and petro-chemical.

Specification

Material	Carbon Steel (WCB) Stainless Steel (CF8M) Other Alloys (Monel, Hastelloy B/C, Alloy 20, Titanium etc.)
Sizes	ANSI 1” to 16”
Pressure Classes	ANSI Class 150 to Class 600
End Connections	Flanged , Wafer

Features

- *One piece body*
- *Segmented V-notch ball*
- *Heavy duty seat option*
- *Bi-directional Flex-loc seat*
- *Various end connection options*
- *Designed for higher pressure classes*



Options

Seat Options

Flex-loc Metal Seat

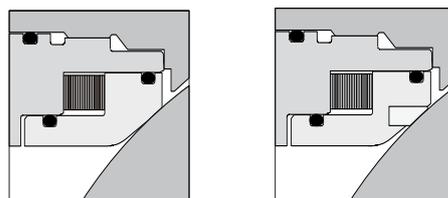
The Flex-loc metal seat uses the pressure drops across the seal to enhance its shut-off characteristics in both directions.

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 PTFE or PEEK as well.



Valtork – 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 light-weight, robust and compact assembly, making the Valtek rotary actuator the foremost choice for ShearStream HP.

Valtek ShearStream SB

The excellent control characteristic of ShearStream SB are particularly beneficial in general control conditions like in the Process- and Chemical Industry.

Direct mounting of Turnex actuator

One piece body

Characterized ball sector



Easy maintenance

Various packing options

Tight shut-off

Seat options



Specification

Material	Carbon Steel (WCB) Stainless Steel (CF8M)
Sizes	ANSI 1" to 20" DIN DN25 to DN500
Pressure Classes	ANSI Class 150 to Class 300 DIN PN10 to PN40
End Connections	Flanged ANSI 1" to 20" / DIN DN25 to DN500 Wafer ANSI 1" to 8" / DIN DN25 to DN200

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 patented Z-Trim design reduces noise and cavitation by taking the pressure drop in several steps. It can also be used for medias with impurities or fibres and have a self cleaning effect.



Environmental Packing

SafeGuard packing set is an approved, tested and certified packing arrangement in accordance with ISO 15848-1 for the whole pressure and temperature range.

Actuator package

Heavy duty actuator for high performance control, modified scotch-yoke called linkages system to prevent any 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

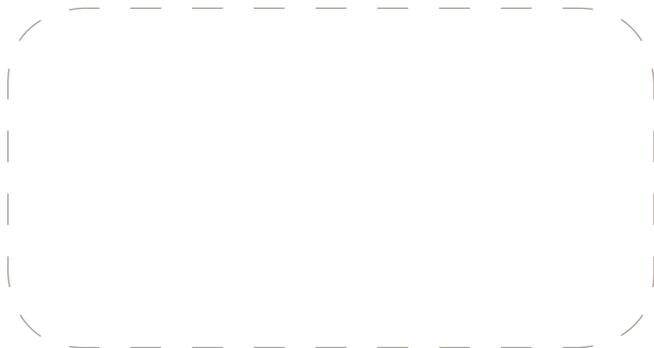
Splines for different stem diameters

Torque range of 60 – 20.000 Nm at 5 bar





Your contact:



FCD VLEEBR0027-00 10.07

All data subject to change without notice.

© 10.2007 Flowserve Corporation. Flowserve and Valtek are trademarks of Flowserve Corporation

Flowserve Corporation

Flow Control
1350 N. Mt. Springs Parkway
Springville, UT 84663
USA
Phone: +1 801 489 8611
Fax: +1 801 489 3719

Flowserve (Austria) GmbH

Control Valves - Villach Operation
Kasernengasse 6
9500 Villach
Austria
Phone: +43 (0)4242 41181 0
Fax: +43 (0)4242 41181 50
Flowserve Pte Ltd.

Flowserve Pte Ltd.

12 Tuas Avenue 20
Singapore 638824
Singapore
Phone: +65 6868 4628
Fax: +65 6862 4940
Flowserve Essen GmbH

Flowserve Essen GmbH

Manderscheidtstr. 19
45141 Essen
Germany
Phone: +49 (0)201 8919 5
Fax: +49 (0)201 8919 662
Flowserve S.A.S.

Flowserve S.A.S.

7, Avenue del la Libération - BP 60
63307 Thiers Cedex
France
Phone: +33 (0)4 73 80 42 66
Fax: +33 (0)4 73 80 14 24

NAF AB

Gelbgjutaregatan 2
SE-581 87 Linköping
Sweden
Phone: +46 (0)13 31 61 00
Fax: +46 (0)13 13 60 54