

Ball Valves

- Best Suited Control: Quick opening, linear
- Recommended Uses:
 1. Fully open/closed, limited-throttling
 2. Higher temperature fluids
- Applications: Most liquids, high temperatures, slurries
- Advantages:
 1. Low cost
 2. High capacity
 3. Low leakage and maint.
 4. Tight sealing with low torque
- Disadvantages:
 1. Poor throttling characteristics
 2. Prone to cavitation



Gate Valves

- Best Suited Control: Quick Opening
- Recommended Uses:
 1. Fully open/closed, non-throttling
 2. Infrequent operation
 3. Minimal fluid trapping in line
- Applications: Oil, gas, air, slurries, heavy liquids, steam, noncondensing gases, and corrosive liquids
- Advantages:
 1. High capacity
 2. Tight shutoff
 3. Low cost
 4. Little resistance to flow
- Disadvantages:
 1. Poor control
 2. Cavitate at low pressure drops
 3. Cannot be used for throttling



Globe Valves

- Best Suited Control: Linear and Equal percentage
- Recommended Uses:
 1. Throttling service/flow regulation
 2. Frequent operation
- Applications: Liquids, vapors, gases, corrosive substances, slurries
- Advantages:
 1. Efficient throttling
 2. Accurate flow control
 3. Available in multiple ports
- Disadvantages:
 1. High pressure drop
 2. More expensive than other valves



Butterfly Valves

- Best Suited Control: Linear, Equal percentage
- Recommended Uses:
 1. Fully open/closed or throttling services
 2. Frequent operation
 3. Minimal fluid trapping in line
- Applications: Liquids, gases, slurries, liquids with suspended solids
- Advantages:
 1. Low cost and maint.
 2. High capacity
 3. Good flow control
 4. Low pressure drop
- Disadvantages:
 1. High torque required for control
 2. Prone to cavitation at lower flows

Other Valves

Another type of valve commonly used in conjunction with other valves is called a check valve. Check valves are designed to restrict the flow to one direction. If the flow reverses direction, the check valve closes. Relief valves are used to regulate the operating pressure of incompressible flow. Safety valves are used to release excess pressure in gases or compressible fluids.

Stream[®]
Sign of Quality

TIANJIN ELECMOTOR CO.,LTD.

ADD: NO 78,SHIYIJING ROAD,HEDONG DISTRICT,TIANJIN 300171 CHINA
TEL: 0086-22-84180992/3/5 FAX: 0086-22-84180998
E-mail: sales@streampumps.com

<http://telec.en.alibaba.com>
<http://www.streampumps.com/>



VALVE GENERAL CATALOGUE



Stream Valves

Since 1997, Stream has specialized in designing, manufacturing high quality valves to meet customers' needs.
Thanks to our passionate and professional team and high-technology facilities imported from Italy, Germany, Taiwan, etc. 600,000 pieces of valves from 1/2" up to 4" are produced monthly.

Stream had already got ISO9001:ISO14001, GB/T 19022,CE, NSF, Testing and Qualified products in the State Authority, National Famous Brand Plumbing and Valve production, etc. We have established strategic, technological and stable relationship with global customers from Europe, Mid-east, Asia, Africa, etc.

We sincerely invite more excellent people to join in Stream valves, work together to create a bright future.

Stream[®]
Sign of Quality



How to choose a right valve?

A valve is a mechanical device that turns on and off, regulates, modulates or isolates the rate, volume, pressure or direction of liquids, gases, slurries or dry materials through a pipeline, chute or similar passageway.

There are three important element we need take into account

1. Equal Percentage (most commonly used valve control)
 - a. Used in processes where large changes in pressure drop are expected
 - b. Used in processes where a small percentage of the total pressure drop is permitted by the valve
 - c. Used in temperature and pressure control loops
2. Linear
 - a. Used in liquid level or flow loops
 - b. Used in systems where the pressure drop across the valve is expected to remain fairly constant (ie. steady state systems)
3. Quick Opening
 - a. Used for frequent on-off service
 - b. Used for processes where "instantly" large flow is needed (ie. safety systems or cooling water systems)

Now that we've covered the various types of valve control, we'll take a look at the most common valve types.

Stream[®]
Sign of Quality



Brass Valves



SV209B



SV210B



SV213AB

SV213CB



SV213B



SV216-2B



SV202B



SV246B



SV281B

Technical standard

- Norminal pressure: ≤1.2MPa
 - Working Medium: Water, Oil
 - Working Temperature: -20°C ≤ T ≤ 110°C
 - Parallel pipe thread to ISO 228
- 3/8" 1/2"

Technical standard

- Norminal pressure: ≤2.4MPa
 - Working Medium: Water, Oil, Gas
 - Working Temperature: -20°C ≤ T ≤ 110°C
 - Pipe thread to ISO 228
- 1/2" 3/4" 1"

Technical standard

- Norminal pressure: ≤2.4MPa
 - Working Medium: Water, Oil, Gas
 - Working Temperature: -20°C ≤ T ≤ 110°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤1.2MPa
 - Working Medium: Water, Oil, Gas
 - Working Temperature: -20°C ≤ T ≤ 110°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water
 - Working Temperature: -20°C ≤ T ≤ 110°C
 - Pipe thread to ISO 228
- 1/2" 3/4" 1"

Technical standard

- Norminal pressure: ≤2.0MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 110°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Non-causticity & Combustible gas, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 120°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1"



SV218B



SV402B



SV402BP



SV401B



SV403B



SV101B



SV113B



SV102B

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Oil
 - Working Temperature: -20°C ≤ T ≤ 150°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.0MPa
 - Working Medium: Water, Oil, Gas
 - Working Temperature: -20°C ≤ T ≤ 100°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 100°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 100°C
 - Pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid
 - Working Temperature: -20°C ≤ T ≤ 150°C
 - Pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 170°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 150°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water
 - Working Temperature: -20°C ≤ T ≤ 120°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"



SV103B



300B



301B



302B



303B



304B



305B

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water
 - Working Temperature: -20°C ≤ T ≤ 120°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 170°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 170°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 170°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤1.6MPa
 - Working Medium: Water, Non-causticity liquid, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 170°C
 - Parallel pipe thread to ISO 228
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤0.6MPa
 - Working Medium: Water
 - Working Temperature: 0°C ≤ T ≤ 100°C
- 1/2" 3/4" 1"

Technical standard

- Norminal pressure: ≤0.6MPa
 - Working Medium: Water
 - Working Temperature: 0°C ≤ T ≤ 100°C
- 1/2" 3/4" 1"

Stainless Steel Valves



SV201SS

Technical standard

- Norminal pressure: ≤4.0MPa
 - Working Medium: Water, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 180°C
 - Parallel pipe thread to ISO 7 Rc
- 1/2" 3/4" 1"



SV201-1SS



SV202SS



SV203SS



SV204SS



SV401SS



SV402SS



SV101SS



SV301SS

Technical standard

- Norminal pressure: 1.6~6.4MPa
 - Working Medium: Water, Oil, Saturated steam, Some causticity liquid
 - Working Temperature: -20°C ≤ T ≤ 350°C
 - Parallel pipe thread : G-NPT, BSPT, BST, DIN 259/2999
- 1/4" 3/8" 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: 1.6~6.4MPa
 - Working Medium: Water, Oil, Saturated steam, Some causticity liquid
 - Working Temperature: -20°C ≤ T ≤ 350°C
 - Parallel pipe thread : G-NPT, BSPT, BST, DIN 259/2999
- 1/4" 3/8" 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: 1.6~10.0MPa
 - Working Medium: Water, Oil, Saturated steam, Some causticity liquid
 - Working Temperature: -50°C ≤ T ≤ 450°C
 - Parallel pipe thread : G-NPT, BSPT, BST, DIN 259/2999
- 1/4" 3/8" 1/2" 3/4" 1" 1/4" 1/2" 2" 3" 4"

Technical standard

- Norminal pressure: 1.6~6.4MPa
 - Working Medium: Water, Oil, Saturated steam, Some causticity liquid
 - Working Temperature: -20°C ≤ T ≤ 232°C
 - Parallel pipe thread : G-NPT, BSPT, BST, DIN 259/2999
- 1/4" 3/8" 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤2.5MPa
 - Working Medium: Water, Oil, Saturated steam, Some causticity liquid
 - Working Temperature: -20°C ≤ T ≤ 232°C
 - Pipe thread to NPT, BSPT, BST, DIN 259/2999
- 1/2" 3/4" 1" 1/4" 1/2" 2"

Technical standard

- Norminal pressure: ≤32MPa
 - Working Medium: Water, Oil, liquid
 - Working Temperature: -20°C ≤ T ≤ 420°C
 - Pipe thread to NPT, BSPT, BST, DIN 259/2999
- 1/2" 3/4" 1" 1/4" 1/2" 2"

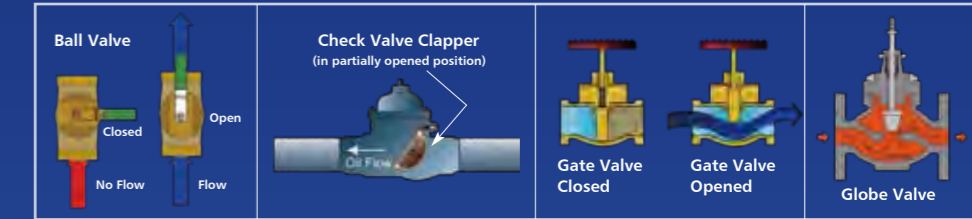
Technical standard

- Norminal pressure: 4.0MPa
 - Working Medium: Water, Oil, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 180°C
 - Parallel pipe thread to ISO 7 Rc
- 1/4" 3/8" 1/2" 3/4" 1" 1/4" 1/2" 2"

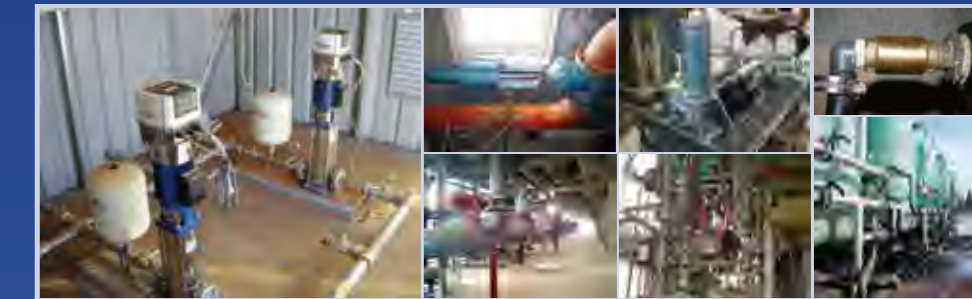
Technical standard

- Norminal pressure: 4.0MPa
 - Working Medium: Water, Oil, Saturated steam
 - Working Temperature: -20°C ≤ T ≤ 180°C
 - Parallel pipe thread to ISO 7 Rc
- 1/4" 3/8" 1/2" 3/4" 1" 1/4" 1/2" 2"

Working Principle



Working Enviroment



Production Process



Main Component

