



SHIVA ENTERPRISES

Valves



Excellent Flow
Control Solutions

Excellent Flow Control Solutions

At the heart of every fluid-handling system lies a crucial component that ensures seamless operation and utmost efficiency - valves.

And when it comes to valves, SHIVA ENTERPRISES takes pride in being a prominent player in the industry, catering to the diverse needs of customers worldwide. Our exquisite range of valves is a testament to the harmony between precision engineering and unparalleled performance.

SHIVA ENTERPRISES offers comprehensive flow control solutions for various industrial applications. Valves are one of the most basic components of all the industrial applications and SHIVA ENTERPRISES is happy to offer all types of valves covering broad spectrum of industries

Choosing our valves means opting for a product that combines cutting-edge technology with exceptional customer service, making it the ideal choice for your fluid-handling needs.



Reliability: Our valves are built to last, ensuring dependable performance even in the most demanding conditions.

Precision Control: Users can fine-tune and control the flow of fluids or gases with utmost precision, optimizing their processes.

Efficiency: Our valves are designed for maximum efficiency, reducing energy consumption and operational costs.

Durability: Built to withstand wear and tear, our valves require minimal maintenance, leading to longer service life.

Versatility: Our comprehensive range of valves caters to a wide variety of applications and industries.

Quality Assurance: Each valve undergoes stringent quality checks, guaranteeing a product that meets the highest standards.

Global Reach: We cater to customers worldwide, providing access to top-quality valves no matter where they are located.

Customization: We offer tailored solutions to meet unique requirements, ensuring a perfect fit for any project.

Support and Expertise: Our team of experts provides exceptional customer support, assisting users in selecting and maintaining their valves.

Sustainability: Our valves are designed with sustainability in mind, helping users reduce their environmental footprint.

Butterfly Valves

The butterfly valve derives its name from the wing-like action of the disc which operates at right angles to the flow. It's main advantage is a seating surface which is not critical. It is designed for flow isolation as well as flow control.

The disc impinges against a resilient liner to provide bubble tightness with low operating torque. Compact and with a simple construction, butterfly valves facilitate easy pipe arrangement.

Advantages

Quick acting, good regulating characteristics, compact & light, low pressure isolation. Butterfly valves are simple, reliable and range in size from 40mm to 2000mm and beyond. They can be controlled by a notched lever, handwheel as well as by pneumatic or electric actuator. A shaft turns a disc 90° within a pipe.

These valves are available in configurations

Centric, double eccentric and triple eccentric design

Resilient / PTFE / Metal Seats.

Manufacturing Std BS 5155/IS 13095

Hand lever/Gear/Actuator(Pneumatic & electrical) options



Ball Valves

Because of their excellent operating characteristics, ball valves are used for the broadest spectrum of isolation applications and are available in a wide range of sizes and materials and are available in full flow and full through conduit.

Advantages

Quick acting, straight through flow in either direction, low pressure drop, bubble tight shut off and operating torque, easily actuated. Disadvantages - temperature limitations on seating material, long "relative" face to face dimension.

These valves are available in configurations

Single/two/three-piece body

Socket weld/Butt weld/Screwed/Flanged end

Floating/Trunnion mounted design

Soft/Metal seated ball valves.

Mfg. Std API 6D, Pressure class #150 to #2500

Hand lever/Gear/Actuator(Pneumatic & electrical) options



Gate Valves

Commonly used in industrial piping for stop or isolating – to turn on and shut off the flow as opposed to regulating flow. Gate valves are named from the gate-like disc which operates at a right angle to the path of the flow. Gate valves are general service valves that can be made in a broad spectrum of sizes using a variety of different materials. Wedge gate valves are metal seated but are also available with resilient seat insert if drip tight shut off is required. They can meet the demands of a wide range of pressure and temperature conditions and is available in full port.

Advantages

Low pressure drop, straight through flow either direction.
Disadvantages - slow acting, bulky. Not drip tight shut off (over 150NB). Do not partially open as this will cause damage to seat/disc.

These valves are available in configurations

Bolted/Welded/Pressure seal bonnet

Socket weld/Butt weld/Screwed/RTJ/Flanged end

Mfg. Std API 600/IBR, Pressure class #150 to #2500

Handwheel/Gear/Electrical actuator operated



Globe Valves

The flow path through globe valves follows a changing course, thereby causing increased resistance to flow and considerable pressure drop. Because of the seating arrangements, globe valves are the most suitable for regulating flow. The valve is named after its globular body. Compared to gate valves, globe valves are designed to open and close more quickly. Their flow characteristics can be changed by re-configuring their discs.

Advantages

Best shut off (not drip tight above 50NB) and regulating.
Disadvantages - high pressure drop (head loss), unidirectional..

These valves are available in configurations

Bolted/Welded/Pressure seal bonnet

Socket weld/Butt weld/Screwed/RTJ/Flanged end

Mfg. Std BS1873/IBR, Pressure class #150 to #2500

Handwheel/Gear/Electrical actuator operated



Check Valves

Sometimes referred to as a non-return valve, the check valve prevents back-flow in the piping by constantly keeping fluid flowing in one direction. Check valves operate automatically. Some piston/disc check valves are spring loaded for fast operation, (minimum cracking pressure should be specified). Vertical downwards flow requires a spring loaded check valve.

Advantages

Check valves offer a multitude of advantages, primarily their ability to prevent backflow, ensuring that fluids or gases move in one direction only. This feature is essential in safeguarding systems from contamination, damage, and disruption. Their straightforward design with minimal moving parts results in low maintenance requirements, reducing operational costs and downtime, while their role in maintaining system pressure enhances overall efficiency.

These valves are available in configurations

Single/Dual disc/Non-slam design

Wafer/Socket weld/Butt weld/Screwed/Flanged end

Mfg. Std API 6D/BS1868, Pressure class #150 to #2500

Sizes from 25 to 1200mm



Knife Gate Valves

Useful for many applications in larger sized pipework (50mm up) for fluid containing solids. Unlike traditional gate valves, they are able to throttle (at lower pressures) depending on line media and degree of opening. Metal seated knife gate valves are not leak tight shut off. Some knife gate valves have a resilient seat in order to ensure they close drip-tight they are ideally suited for the control of effluent, slurries, waste products, semi solids, pulp, bulk powders.

Advantages

Knife gate valves are essential in applications requiring precise control and isolation of challenging media, such as solids, slurry, and viscous fluids. Their sharp-edged gates efficiently cut through substances, ensuring bidirectional operation and a secure seal. With low maintenance needs and a straightforward design, knife gate valves are cost-effective solutions for various industries, from wastewater treatment to mining and pulp and paper, where efficiency and reliability are paramount.

These valves are available in configurations

Unidirectional & Bidirectional. Available in V-port, O-port and lined designs

Wafer/Lugged/Flanged ends

Design/Mfg Std MSS SP-81/148/151.

Handwheel/Gear/Pneumatic Actuator operated



Plug Valves

Plug valves are valves with cylindrical or conically-tapered “plugs” which can be rotated inside the valve body to control flow through the valve. The plugs in plug valves have one or more hollow passageways going sideways through the plug, so that fluid can flow through the plug when the valve is open. Plug valves are simple and often economical..

Advantages

Plug valves are renowned for their versatility in controlling fluid flow. These valves employ a cylindrical or tapered plug to regulate the passage of gases or liquids, allowing for precise and efficient flow modulation. Their robust construction and minimal internal parts enhance their reliability, while their adaptability to a wide range of applications, from petrochemical to pharmaceutical industries, makes plug valves a trusted choice for fluid handling when flexibility and dependable performance are essential.

These valves are available in Sleeved/Lubricated/Non-lubricated design from sizes 15 mm to 400 mm.



Diaphragm Valves

Diaphragm valves are a crucial component in fluid control systems. Their distinguishing feature is a flexible diaphragm that acts as a sealing element, ensuring reliable isolation and control of fluids and gases. These valves are known for their ability to handle a wide range of applications, from corrosive chemicals to sterile pharmaceutical processes, making them indispensable in industries where precise, contamination-free fluid control is paramount.

Advantages

Their primary benefit lies in the exceptional sealing capability provided by the flexible diaphragm, preventing any contact between the valve's components and the fluid, which is particularly critical in applications involving corrosive or abrasive media. These valves are also highly versatile, accommodating a wide range of flow rates and pressures, and they are well-suited for handling sterile processes.



Sanitary Valves

Sanitary butterfly valves are a cornerstone of industries where maintaining strict hygiene standards is paramount. These valves are specially designed for applications in the dairy, food, beverage, pharmaceutical, and biotechnology sectors, as well as other sanitary processes.

Advantages

Sanitary butterfly valves offer a multitude of advantages crucial for industries where hygiene and product integrity are paramount. Their streamlined design with minimal crevices and easy-to-clean surfaces minimizes the risk of bacterial contamination, making them ideal for sanitary processes. These valves provide efficient and precise flow control, reducing the risk of product waste or cross-contamination.



Valve Automation



Large scale repair and refurbishment of Valves





Advantages of choosing SHIVA ENTERPRISES Valves

Extensive Product Range

A diverse portfolio of valves to meet a wide spectrum of applications.

Customization options available to tailor solutions to unique needs.

Comprehensive Support

Comprehensive Support Services: Beyond offering top-quality valves, SHIVA ENTERPRISES Corporation provides a range of comprehensive support services.

From installation guidance to maintenance and troubleshooting, we are dedicated to ensuring that your experience with our valves is smooth and hassle-free.

Customer-Centric Approach

Tailored solutions to meet specific project needs.

Responsive customer support ensuring satisfaction at every step.

Industry Expertise

SHIVA ENTERPRISES's team of experts offers valuable insights and guidance.

Decades of experience in serving various core industries.

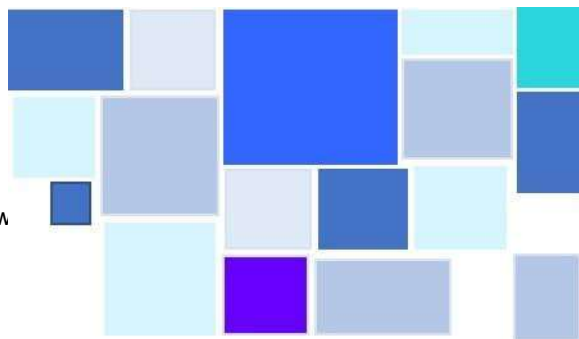


SHIVA ENTERPRISES

At SHIVA ENTERPRISES, we live true to our motto, “We Help You to work together”.

SHIVA ENTERPRISES Corporation is one of the fastest growing organizations w various holistic solutions to several industries across the globe.

Our excellent, meticulous and pocket-friendly solutions help organizations to do better and increase their productivity. We are unequivocally committed to help our esteemed customers in accomplishing their growth, achievement, success and sustainability.



PUMPS | MECHANICAL SEALS | VALVES | INSTRUMENTATIONS

SHIVA
ENTERPRISES

Office / Works Address

201 , SANKALAP LAKE VIEW,
YELLAREDDY GUDA , KAPRA,
SECUNDERBAD – 500092(TS)

Email Sales enquiries: info@shivaenterprises.net

Phones

Direct Phones: +91 - 7702830964, +91-9032241525, + 91-8247488776

www.shivaenterprises.net

Disclaimer

Images used in this literature are only for pictorial representation and evoke no infringement on that product or brand, we claim no consequential guarantee of product or specifications on shown images. SHIVA ENTERPRISES name, logo, tagline and other official elements are intellectual property rights of SHIVA ENTERPRISES Corporation, India, 2023-24. Specifications subject to change without notice. (E & O.E.)