



The Ultimate ....Flow Controller



[www.sjvalves.in](http://www.sjvalves.in)

S J ENGINEERS

We Take This Opportunity To Introduce Ourselves As A Group Of Professionals/Entrepreneurs With Rich And Varied Engineering Experience.

We Have All Joined Hands Together To Form S. J. Engineers In February 2004.

For Providing Optimum, Sustainable, Cost Effective And Valued Added Solutions In The Field Of Fluid Flow Control Equipments Applied In HVAC And Water-based Process Ind., Oil Ind., Petrochemical Ind., Pharma Ind., Power Plants, Refineries, Paper Ind., Textile Ind., Dairy, Food Ind. Cement Plants, Steel Plants, Chemical Ind. Dyes & Intermediate Ind., Pesticides Ind., Tyre Ind., Automobile Ind., Its Ancillaries & Others.

This Unique Business Model Has Enabled Us To Redefine Our Existing Operations By Focusing On Improved Quality Standards, Keeping Abreast With Latest Technological Innovations & Solutions, Offering Reduced Capital & Operational Cost, Omnipresence, Timely And Proper Implementation Of Standard & Non Standard Equipments, Minimum Downtime And Committed Deliverances. Thus Ensuring Customer Delight And Mutual Benefits.

S. J. Engineers Based At Ahmedabad And Has Established Set Up With Necessary Man Power Resources And Inventories To Market, Execute And Provide Post Sales Services For All Related Business Interests To The End Customer.

We Have Thus Been Able To Realign Our Individual Abilities & Capabilities i.e. Our Strength To Combine And Compliment Ourselves, To Gear Ourselves To Be An Enhanced, Highly Experienced And Motivated Total Solution Based Organizational Set Up With Low Cost Operations.

## FOUNDER MEMBER

Apex Is Founded By Like Minded Individuals Having A Desire To Contribute To The Growing Demand Of Quality Services At Affordable Prices In The Field Of Engineering. While The Organization Has Strength Of 10 + Motivated Domain Experts.

Our Founder Mr. J D Nikhal Is A Technocrat & Having More Than 21 Years Of Experience In The Field Of Industrial Valves & Allied Products Only. His Skill Lies In Identifying Newer Applications And Markets. His "On Hand" Site Experience Helps Him Identifying And Offering The Best Solutions In Pre And Post Order.

## VISION

Our Vision Is To Be The Best Engineering Solutions Provider In The Field Of Fluid Flow Control For Industrial, Commercial And Residential Use.

Our Mission Is To Serve All Our Customers With Integrity, Dedication, Perseverance & Deliverance.

We Look Forward To Have A Long Term Association For Providing Optimum Cost Effective And Sustainable Solutions.

## QUALITY POLICY

All The Valves Are Designed For Compliance To Applicable National / International Standards. Stringent Quality Control And Inspection At All Stages Of Manufacture Ensure That Products Are Fully Suitable For The Specified Use To Give Reliable Performance Throughout The Service.

In Accordance With ISO As A Recognition To Its Continuous Commitment Towards Total Quality. Continually Improving The Effectiveness Of Quality Management System To Add Value To Our Products.

Our Objective Is To Design, Manufacture And Market Quality Products At Competitive Prices.

S J Engineers Is Committed To Total Customer Satisfaction To Attain Market Leadership Through Continual Improvement. A Satisfied Customer Is A Source Of Inspiration For Us In Continuous Improvement.

We Achieve This By Maintaining A High Standard Of Quality Consistent With The Customer Requirements, By Complying With The Codes, Standards, Customer Specifications, Statutory And Regulatory Requirements As Applicable To Our Products.

Our Trained Engineers Continuously Design And Configure A Versatile Range Of Products On Advanced Systems To Ensure Optimum Performance For An Expansive Range Of Industrial Requirements. Adhering To International Quality Benchmarks, We Have Been Consistently Delivering Poised With Our Reputation, Integrity, Capabilities And Client Oriented Policies.



## We are engaged in the manufacturing and supplying of various types of valves.

**S J brand** ball valves are manufactured at our factory incorporating in accordance with the international norms and standards and undergo stringent quality checks during all stages, right from the procurement of raw material to the final assembly and testing of the valves.

### Ball Valves

#### Features

- An excellent choice for shutoff and control applications.
- Compact, space saving design.
- Zero maintenance, long service life.
- Tight shut off and many more.

#### Technical Specifications :

- BODY MATERIAL : P.P., CAST IRON, CARBON STEEL (ASTM A 216 GR. WCB), FORGED CARBON STEEL (ASTM A 105), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- SEAT & SEAL MATERIAL : PTFE, GFT, CFT, PEEK & METAL.
- DESIGN : 1PC, 2PC, 3PC, 2 WAY, 3 WAY, 4 WAY, JACKETED, EXTENDED STEM, ACTUATOR OPERATED, FEP & PFA LINED.
- END CONNECTION : SCREWED, SOCKET WELD, FLANGED END, BUTT WELD END, TRI CLOVER END.
- PRESSURE RATING CLASS : ASA 150, 300, 400, 600, 800, 900, 1500, BS 10 TABLE D, E, F, H.
- SIZE RANGE : 6mm TO 400mm







## Butterfly Valve

**S J brand** Butterfly valves are manufactured to have an optimal mix of structural stability, flow efficiency and effective seating coupled with advantage of light weight, compact design and ease of operation. Only a quarter turn is required to fully open or close the valves. The valves are provided with integrally moulded elastomer body liner to provide perfect seating and complete isolation of body material from media to prevent it from any corrosive and abrasive impact of fluid. The body liner material can be provided to suit specific fluid service for long maintenance free life. The valves are easy to install in any position between horizontal to vertical piping. No gaskets are required as body liner effect seal between the valve body and the matching pipe flanges.

### Features:

- Excellent flow control in quarter turn operation.
- Compact, sapce saving design.
- Low maintenance, long service life.
- Bi - directional 100% tight shut off.

### Technical Specifications :

- BODY & DISC MATERIAL : P.P., CAST IRON, SG IRON, CARBON STEEL(ASTM A 216 GR. WCB), CF8(SS 304), CF8M(SS 316) AND OTHERS.
- SEAT MATERIAL (LINING) : NITRILE, EPDM, SILICON, VITON, PTFE & METAL TO METAL.
- DESIGN : CENTRIC, OFF CENTRIC, WAFER, DOUBLE FLANGED, LUGGED, JACKETED & ACTUATOR OPERATED.
- END CONNECTION : FITTED BETWEEN TWO FLANGES, TRI CLOVER.
- PRESSURE RATING CLASS : PN 10 & PN 16.
- SIZE RANGE : 40mm TO 1200mm





## Gate Valve

**S J Brand** Gate Valves are tight sealing, easy in operation, isolation valves for liquid and gaseous fluids over a wide range of line pressures and temperatures. Gate valves are of rising stem, outside screw and yoke with bolted bonnet construction. The rising stem indicates open or close position of the valve. The outside screw ensures easy lubrications and prevents corrosion and erosion by the fluids. The flanged ends Metal seated Gate Valves drilled according to pipeline compatible flange dimensional standards.

### Features:

- Self adjusting flexible wedge assures tight sealing and minimizes stress concentration under varied service conditions.
- Stem-wedge thrust closer to wedge centre for accurate wedge movement.
- Long guide ribs in the body to minimize seat wear.

### Technical Specification :

- **BODY MATERIAL** : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), FORGED CARBON STEEL (ASTM A 105), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- **DESIGN** : RISING SPINDLE, JACKETED, EXTENDED STEM & GEAR OPERATED.
- **END CONNECTION** : SCREWED, SOCKET WELD, FLANGED END, BUTT WELD END, RTJ.
- **PRESSURE RATING CLASS** : ASA 150, 300, 600, 800, 900, 1500, 2500, BS 10 TABLE D, E, F, H,
- **SIZE RANGE** : 15mm TO 500mm





## Globe Valve

**S J brand** range of Globe Valve is widely appreciated by the customers owing to their high quality and durability.

The Globe Valve is used for regulating flow in a pipeline, consisting of a movable disk-type element. A stationary ring seat generally in a spherical body. Because of their spherical body shapes, these valves are named as Globe Valves.

## Features

- Durable
- Highly efficient
- Reliable performance
- Precision engineered

## Technical Specification

- BODY MATERIAL : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), FORGED CARBON STEEL (ASTM A 105), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- DESIGN : RISING SPINDLE, JACKETED, EXTENDED STEM & GEAR OPERATED.
- END CONNECTION : SCREWED, SOCKET WELD, FLANGED END, BUTT WELD END, RTJ.
- PRESSURE RATING CLASS : ASA 150, 300, 600, 800, 900, 1500, 2500, BS 10 TABLE D, E, F, H, AND 16, ND 40.
- SIZE RANGE : 15mm TO 400mm





## Check Valves / Non Return Valves

### Product Description

**S J brand** offer Check Valves in different types and sizes. Check Valves have two openings in the body, one for fluid to enter and the other for fluid to leave. These Check Valves are used for diverse purposes.

### Features :

- Two openings
- High performance
- Superior quality
- Made from high grade material

### 1) DISC CHECK VALVE (DCV) - NON SLAM SINGLE PLATE CHECK VALVE

### Technical Specifications :

- BODY MATERIAL : CF8 (SS 304), CF8M (SS 316)
- DESIGN : DISC TYPE – NON SLAM SINGLE PLATE CHECK VALVE
- SEAT MATERIAL : METAL SEATED, SOFT SEATED
- END CONNECTION : FITTED BETWEEN TWO FLANGES.
- PRESSURE RATING CLASS : ASA 150, 300, 400, PN 10, PN 16 & PN 40
- SIZE RANGE : 15mm to 300mm







## 2) Dual Plate Check Valve

### Technical Specifications :

- BODY & DISC MATERIAL : CAST IRON, CARBON STEEL (ASTM A 216 GR. WCB), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- SEAT MATERIAL : METAL SEATED, SOFT SEATED.
- DESIGN : DISC TYPE – DUAL PLATE CHECK VALVE.
- END CONNECTION : FITTED BETWEEN TWO FLANGES.
- PRESSURE RATING CLASS : ASA 125, 150, 300
- SIZE RANGE : 50mm TO 1000mm



## 3) Lift Check Valve

### Technical Specifications :

- BODY MATERIAL : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), FORGED CARBON STEEL (ASTM A 105), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS
- DESIGN : LIFT TYPE FOR HORIZONTAL POSITION & JACKETED.
- END CONNECTION : SCREWED, SOCKET WELD, FLANGED END, BUTT WELD END, RTJ.
- PRESSURE RATING CLASS : ASA 150, 300, 600, 800, 900, 1500, 2500, BS 10 TABLE D, E, F, H, ND 16 & ND 40.
- SIZE RANGE : 15mm TO 400mm







## 4) Swing Check Valve

### Technical Specifications :

- BODY MATERIAL : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- DESIGN : SWING TYPE FOR VERTICAL POSITION, JACKETTED.
- END CONNECTION : FLANGED END, RTJ.
- PRESSURE RATING CLASS : ASA 150, 300, 600, 900, 1500, 2500, BS 10 TABLE D, E, F, H, AND 16 & ND 40.
- SIZE RANGE : 15mm TO 400mm



## 5) Wafer Check Valve

### Technical Specifications :

- BODY MATERIAL : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), MS, CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- DESIGN : WAFER TYPE ( FLAP TYPE)
- SEAT MATERIAL (LINING) : NITRILE, EPDM, SILICON, VITON, PTFE.
- END CONNECTION : FITTED BETWEEN TWO FLANGES
- PRESSURE RATING CLASS : ASA 150, PN 10.
- SIZE RANGE : 25mm to 1400mm





## Knife Edge Gate Valve

**S J brand** Knife Edge Gate Valve is specially designed Industrial Valve get minimum contact between the valve parts to reduce wear & tear. Usually the Knife Gate Valves are unidirectional and act as a brilliant hopper isolation valves as these valves have the ability to cut through flowing media and closed by dislodging any material in the seating area.

## Features

- Brilliant hopper isolation
- Reduced wear and tear
- Highly efficient
- Excellent performance

## Technical Specifications

- BODY & DISC MATERIAL : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- DESIGN : WAFER TYPE, ACTUATOR OPERATED, MANUAL.
- END CONNECTION : FITTED BETWEEN TWO FLANGES.
- PRESSURE RATING CLASS : ASA 150, 300, BS 10 TABLE D, E, F, H,
- SIZE RANGE : 50mm TO 800mm





## Diaphragm Valve

**S J brand** Diaphragm Valve is made by using high quality metals of different grades and specifications right from 15mm to 400mm.

### Features :

- An excellent choice for shutoff and control applications.
- Low maintenance, long service life.
- Bi - directional 100% tight shut off.

### Technical Specifications :

BODY MATERIAL : P.P. CAST IRON, CARBON STEEL (ASTM A 216 GR. WCB), CF8 (SS 304),  
CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.

DESIGN : WEIR TYPE, LINED & UNLINED.

END CONNECTION : SCREWED, SOCKET WELD, FLANGED END.

PRESSURE RATING : CLASS ASA 150, BS 10 TABLE D, E, F, H.

SIZE RANGE : 15mm TO 400mm.







## Strainer

**S J brand** range of Strainer includes Bucket Type Strainer ( Pot / T ) and Y Type Strainer.

These Strainers are commonly used in various industrial and mechanical applications. High quality raw materials such as Cast Iron, Carbon Steel, Forged Carbon Steel, Alloy Steel, etc. are used in the manufacturing of these strainers making them strong and durable.

### Features :

- Excellent Flow Area
- High quality

### 1) Bucket Type Strainer ( Pot / T )

#### Technical Specifications :

- BODY MATERIAL : CAST IRON, CAST CARBON STEEL (ASTM A 216 GR. WCB), FORGED CARBON STEEL (ASTM A 105), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- DESIGN : BUCKET / POT / 'T' TYPE (CASTING & FABRICATED).
- END CONNECTION : FLANGED END.
- PRESSURE RATING CLASS : ASA 150, 300.
- SIZE RANGE : 25mm TO 400mm.





## 2) Y Type Strainer

### Technical Specifications :

- BODY MATERIAL : CAST IRON, CARBON STEEL (ASTM A 216 GR. WCB), CF8 (SS 304), CF8M (SS 316), CF3M (SS 316L), SS 202, ALLOY STEEL & OTHERS.
- DESIGN : 'Y' TYPE.
- END CONNECTION : SCREWED, SOCKET WELD, FLANGED END.
- PRESSURE RATING CLASS : ASA 150, 300, 600, ND16, ND40.
- SIZE RANGE : 15mm TO 400mm.





## Sight Glass

**S J brand** Sight Glass is manufactured using superior quality raw materials such as mild steel, PP and Teflon.

The term "sight glass" can refer to several types of units that allow observation of a process fluid or a feature inside of a pipe, tank or vessel. The following are the descriptions of units that are commonly referred to as sight glasses.

### Features :

Liquid level guage ("sight glass in older boiler technology)  
sight flow indicator

### Technical Specifications :

- BODY MATERIAL : P.P, M.S. CF8 (SS 304), CF8M (SS 316), SS.
- DESIGN : L.N. KEY TYPE, CHECK NUT TYPE & DOUBLE WINDOW TYPE.
- END CONNECTION : FLANGED END.
- PRESSURE RATING CLASS : ASA 150.
- SIZE RANGE : 25mm TO 150mm, (LENGTH 4" & 6").







**We Value Your Business**



## **S J ENGINEERS**

**D-31, Vivekanand Ind. Estate, Rakhial Cross Roads,  
Rakhial, Ahmedabad-380 023, Gujarat, India.**

**Ph: +91 - 79-65226861 Telefax: +91 - 79-22770499**

**Cell : +91 982 539 7769**

**Email: [sjengineers2004@gmail.com](mailto:sjengineers2004@gmail.com)**

**[sjengineers2004@hotmail.com](mailto:sjengineers2004@hotmail.com)**

**[www.sjvalves.in](http://www.sjvalves.in)**