



# PROCESS EQUIPMENT CORPORATION

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**VALVES AND STRAINERS MANUFACTURER / SUPPLIER**



## ABOUT US

Process Equipment Corporation is recognized as one of the prominent manufacturers and suppliers of different types of **Valves and Strainers fittings** such as **Industrial Valves, Industrial Strainers, Sight Flow Indicators, Filter Elements, Rotary Air Lock Feeders, Air and Gas Filters** with Mounting and many other valves and strainers products.

We are highest quality [Industrial Valves and Strainers Manufacturer in Ahmedabad, Gujarat](#)

We take this opportunity to introduce ourselves as manufacturing unit, promoted by First Class Chemical Engineer, having experience of more than 35 years now.

Located in Ahmedabad-an industrially well developed city in Gujarat, western India with all advanced and modern infrastructure for industry and business.

We also cater customized requirements in Process Automation and control in various industries- Pharmaceuticals, Petrochemicals, Fertilizer, Cement, Pulp and Paper, Sugar, Food, Ceramic etc industries. Please visit our site or contact factory for more detail.





## Industrial Valves Manufacturer

Our comprehensive ranges of valves are available in variety of Types, Sizes, MOC to suit the varying needs of the clients.

We manufacture **Ball Valves, Globe Valves, Check Vlves, Gate Valves, Butter Fly Valves, Flush Bottom Tank Valves**. Apart from conventional valves we also cattered client''s special applications.

## Ball Valves Manufacturer

We are leading manufacturer and supplier of unique range of [Ball valves](#) in Ahmedabad, and surrounding areas in Gujarat. Ball valves which are used in isolation and throttling industry which are operated Manual, Pneumatic, Motorized, Gear.

Technical Specification	
Application	Isolation & Throttling
Features/Benefits	Full Bore, Reduce Bore Blow Out Proof Stem, bolted cover Low Torque Floating Ball, fixed ball & trunion mounted Multi port
ANSI class / Rating	150-300#
Design Standard	BS EN ISO 17292, API 6D, API 608
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	Body: ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End

Operation	Manual, Pneumatic, Motorized, Gear operated
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## Flush Bottom Ball Valves

Technical Specification	
Application	Isolation
Features/Benefits	1pieces & 3 Piece Design Trunion / Bearing Mounted ball Low operational torque Ball projected inside vessel – Minimize dead pocket Suitable for slurry application Jacketed valve on request
ANSI class / Rating	150-300#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Socket Weld, Butt Weld, Flange End
Operation	Manual, Pneumatic, Gear operated

## Gate Valves Manufacturer

We hold proficiency in manufacturing, supplying, exporting and trading a huge range of [Gate Valve](#). Our professionals engaged in this domain use strong raw material for manufacturing these gate valves.

## Forged Steel Gate Valve

Technical Specification	
Application	Isolation, control and throttling
Features/Benefits	Bolted bonnet, OS & Y type Rising spindle Back seat arrangement Welded / stalled seat
ANSI class / Rating	800#, 1500#
Design Standard	API 602
Testing Standard	API 598
Size	15-50 mm NB
M.O.C	Body : A105, F11, F22, LF2, F304, F304L, F316, F316L Trim : 13 % Cr, Stellite etc
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End
Operation	Manual

## Cast Steel Gate Valves

Technical Specification	
Application	Isolation
Features/Benefits	Bolted bonnet, OS & Y type Rising spindle Back seat arrangement Welded / stalled seat
ANSI class / Rating	150#, 300#
Design Standard	API 600, API 603, ASME B 16.34
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	Body : ASTM A216 Gr WCB, ASTM A351



	Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel etc.
Ends	Flange End
Operation	Manual, motorized

## Globe Valves Manufacturer

We hold proficiency in manufacturing, supplying, exporting and trading a huge range of **Globe Valve**. Our professionals engaged in this domain use strong raw material for manufacturing these globe valves. Globe valves are used for partial open and close position-to control flow of the fluid in the process industries.

## Forged Steel Globe Valve

Technical Specification	
Application	Isolation, control and throttling
Features/Benefits	Bolted bonnet, OS & Y type Rising spindle Back seat arrangement Welded / stallited seat
ANSI class / Rating	800#, 1500#
Design Standard	API 602
Testing Standard	API 598
Size	15-50 mm NB
M.O.C	Body : A105, F11, F22, LF2, F304, F304L, F316, F316L Trim : 13 % Cr, Stellite etc
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End
Operation	Manual

## Cast Steel Globe Valves

Technical Specification	
Application	Isolation, control and throttling
Features/Benefits	Bolted bonnet, OS & Y type Rising spindle Back seat arrangement Welded / stalled seat
ANSI class / Rating	150#, 300#
Design Standard	API 600,
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	Body : ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel etc.
Ends	Flange End
Operation	Manual, motorized

## Butterfly Valves Manufacturer

We hold proficiency in manufacturing, supplying, exporting and trading a huge range of [Butterfly Valve](#). Our professionals engaged in this domain use strong raw material for manufacturing these butterfly valves. Butterfly valves are modified form of Gate Valves, for economy and space constraint, used. The butter-fly valves are recommended for fully open/ fully closed and throttling application

Technical Specification	
Application	Isolation,
Features/Benefits	Semi Lug Type Design Top Mounting Pad as per ISO 5211

	<p>Unique Stem retention design to provide blow out proof stem &amp; easy assembly &amp; disassembly of valves</p> <p>Heavy Duty square grooved seat design with molded O ring seals to act as flange gasket</p> <p>Self energizing seating design</p> <p>Through flow disc design for large size Butterfly Valves</p>
ANSI class / Rating	150#
Design Standard	API 609 CAT A
Testing Standard	API 598
Size	50-400 mm NB
M.O.C	<p>Body : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc</p> <p>Disc : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc</p> <p>Seat : PTFE</p>
Ends	Wafer Type
Operation	Manual, Pneumatic, Gear operated, Motorized

## Flanged End Butterfly Valve

Technical Specification	
Application	Isolation
Features/Benefits	<p>Centric, Single, double &amp; triple eccentric Design</p> <p>Top Mounting Pad as per ISO 5211</p> <p>Unique Stem retention design &amp; easy assembly &amp; disassembly of valves</p> <p>Heavy Duty square grooved seat design with molded O ring seals to act</p>



	as flange gasket Self energizing seating design Through flow disc design for large size Butterfly Valves Wide variety of application.
ANSI class / Rating	PN 10, PN 16, PN 20
Design Standard	AWWA C 504, API 609 CAT B
Testing Standard	API 598
Size	80-600 mm NB
M.O.C	Body : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc Disc : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc Seat : PTFE
Ends	Wafer Type
Operation	Manual, motorized, Pneumatic, Gear Operated

## Wafer End Butterfly Valve

Technical Specification	
Application	Isolation & Throttling
Features/Benefits	Centric, Single, double & triple eccentric Design Top Mounting Pad as per ISO 5211 Unique Stem retention design & easy assembly & disassembly of valves Heavy Duty square grooved seat design with molded O ring seals to act as flange gasket Self energizing seating design Through flow disc design for large size Butterfly Valves

	Wide variety of application.
ANSI class / Rating	PN 10, PN 16, PN 20
Design Standard	AWWA C 504, API 609 CAT A
Testing Standard	API 598
Size	50-600 mm NB
M.O.C	Body : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc Disc : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc Seals : PDM, Nitrile, Viton, PTFE, Metal Seated etc
Ends	Wafer Type
Operation	Manual, Pneumatic, Gear operated, Motorized

## Flush Bottom Valves Manufacturer

We hold proficiency in manufacturing, supplying, exporting and trading a huge range of [Flush Bottom Valves](#). Our professionals engaged in this domain use strong raw material for manufacturing these Flush Bottom Valves. The Valve flushes with vessel bottom from inside of the vessel – the seat barrel is extended to the bottom inner level. This will eliminate cylindrical cavity between valve seat & vessel bottom, thus identical conditions – temperature – prevail on valve seat & vessel bottom.

Technical Specification	
Application	Isolation,
Features/Benefits	Inside valve/vessel opening Plug type, disc type and ram – piston type construction Opening up to 90% of NB size



	Jacketed valve on request Stellited & resilient seat. Full Automation on request
ANSI class / Rating	150-1500#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Socket Weld, Butt Weld, Flange End
Operation	Manual, Pneumatic, Motorized, Gear operated

## Knife Edge Gate Valves Manufacturer

We hold proficiency in manufacturing, supplying, exporting and trading a huge range of Knife Edge Gate Valves. Our professionals engaged in this domain use strong raw material for manufacturing these [Knife Edge Gate Valves](#). We also manufacture knife edge gate valves in various MOC and sizes. The valves are regularly used for applications to handle, pulp in pulp mill, slurries, powder such as coal, ash, dry and wet powder in power houses, pneumatic conveying systems, dust collecting systems and material handling equipments.

Technical Specification	
Application	Isolation,
Features/Benefits	Applicable for pulp, slurries, powder such as coal, ash, dry and wet powder, pneumatic conveying systems, dust collecting systems and material handling equipments.

	<p>Sharp heavy-duty knife edge at the bottom of gate cuts through solid sediments and ensures reliable shut-off</p> <p>Replaceable seats - Easy maintenance at site. Longer service life.</p> <p>Low operating torque - Facilitates use of a smaller-size actuators. Lower Initial Investment.</p>
ANSI class / Rating	150#
Design Standard	MSS SP 81
Testing Standard	NA
Size	100-900 mm NB
M.O.C	CS/AISI-304/316/304L/316L
Ends	Wafer type, square and round flange
Operation	Manual, Pneumatic, hydraulic, gear operated, motorized, chain operated

## Non Return Valves Manufacturer

We hold proficiency in manufacturing, supplying, exporting and trading a huge range of **Non Return Valves**. Our professionals engaged in this domain use strong raw material for manufacturing these Non Return Valves. These valves are generally recommended for water and wastewater systems application due to their simple construction, low pressure drop across the valve and field serviceability.

## Swing Check Valves Manufacturer

Technical Specification	
Application	Unidirectional Flow
Features/Benefits	Bolted Cover

	Swing type flap Renewable & Integral seat rings Resilient, integral & stalled seat Low pressure drop, suitable for vacuum application High flow passage
ANSI class / Rating	150#, 300#
Design Standard	BS 1868, API 6D
Testing Standard	API 598, ISO 5208
Size	50-300 mm NB
M.O.C	Body : WCB, CF8, CF8M, Hast Alloy, Super Duplex, Alloy 20 , LCB etc Trim : 13 % Cr, Stellite etc
Ends	Flanged end, Butt weld, Socket weld
Operation	-

## Forged Steel Check Valves Manufacturer

Technical Specification	
Application	Unidirectional Flow
Features/Benefits	Bolted Cover Lift type flap Renewable & Integral seat rings Integral & stalled seat Low pressure drop High flow passage
ANSI class / Rating	#800
Design Standard	BS 5352
Testing Standard	ISO 5208
Size	15-50 mm NB
M.O.C	Body : A105, F11, F22, LF2, F304, F304L, F316, F316L Trim : 13 % Cr, Stellite etc
Ends	Screwed End, Socket Weld End, Butt



	Weld End
Operation	-

## Industrial Strainers Manufacturer

Manufacturer and Supplier of [Industrial Strainers](#) that are used to remove solids from flowing fluids or gases by means of perforated sheet or wire mesh straining element. We are engaged in manufacturing different types of strainers such as **Y / Basket/ Conical / bag type** Industrial Strainers. Use in: Chemical, Pharmaceutical, Dyes & Intermediates, Oil, Process Houses, Distilleries, Fertilizers, Refineries etc industries.

## Basket Strainers Manufacturer

We are expected as a foremost supplier, exporter and manufacturer of [Basket Strainers](#). We are backed by a team of experienced professionals and advanced technology infrastructure, we are engaged in manufacturing these Basket Strainers using modern tools and latest technology.

Technical Specification	
Application	Filtration
Features/Benefits	Single & Multi basket element, mesh lining inside the basket More than 400% Net flow area Easy maintenance and low down time Low pressure drop Mesh Size from coarse to fine micron. Multi port Various connection orientations suitable to flow pattern

	Jacketed available on request
ANSI class / Rating	150-300#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-600 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End

## Bag Type Strainers Manufacturer

Technical Specification	
Application	Fine Filtration
Features/Benefits	High Net flow area Easy maintenance and low down time Low pressure drop Mesh Size up to 1 micron Various connection orientations suitable to flow pattern
ANSI class / Rating	150-300#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End

## Duplex Type Strainers Manufacturer

Technical Specification	
Application	Filtration
Features/Benefits	Single mesh lining inside the basket Un-interrupted and continuous filtration Each strainer having more than 400% Net flow area Easy maintenance and low down time Low pressure drop Mesh Size from coarse to fine micron. Both strainer connected with 3 way “L” port ball valve Jacketed on request
ANSI class / Rating	150-300#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-600 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Flanged End

## “T” Type Strainers Manufacturer

Technical Specification	
Application	Coarse Filtration
Features/Benefits	Single basket element, mesh lining inside the basket Easy maintenance and low down time Low pressure drop Recommended for coarse particle





	Low cost solution Jacketed available on request
ANSI class / Rating	150-1500#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-600 mm NB
M.O.C	A 105, ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Butt Weld

## “Y” Type Strainers Manufacturer

Technical Specification	
Application	Filtration
Features/Benefits	Up to 300% Net flow area Easy maintenance and low down time Low pressure drop Mesh Size from coarse to fine micron. Jacketed available on request
ANSI class / Rating	150-1500#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	15-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End

## Sight Flow Indicator Manufacturer

Many type of [Sight flow indicators](#) are manufactured as per process requirements. Generally two type-Dual Window and tube type-Full view are popular and will be discussed herewith-for specific requirements other than these, please contact factory. The Indicator can be used at high temperature, pressure or vacuum service. The company has manufactured assembly up to class-1500.

## Double Window – Drip Type Manufacturer

Technical Specification	
Application	Observation of transferred fluid in pipeline
Features/Benefits	Flow indication through dripper Suitable for low flow rate, vertical and inclined mounting Upward to downward flow direction Vision is one size greater than line size
Glass	Tempered Borosilicate & Soda Lime
Gasket	CAF, Teflon, Viton, EPDM, Neoprene, etc.
ANSI class / Rating	150-1500#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End



## Double Window – Flap Type Manufacturer

Technical Specification	
Application	Observation of transferred fluid in pipeline
Features/Benefits	Flow indication through flapper Suitable for high flow rate, vertical and inclined mounting Downward to upward flow direction Vision is one size greater than line size
Glass	Tempered Borosilicate & Soda Lime
Gasket	CAF, Teflon, Viton, EPDM, Neoprene, etc.
ANSI class / Rating	150-1500#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End

## Double Window – Rotary Type Manufacturer

Technical Specification	
Application	Observation of transferred fluid in pipeline
Features/Benefits	Flow indication through rotor Suitable high flow rate, colloidal solutions or clear transparent liquids Vertical mounting and uni-direction flow.



	Vision is one size greater than line size
Glass	Tempered Borosilicate & Soda Lime
Gasket	CAF, Teflon, Viton, EPDM, Neoprene, etc.
ANSI class / Rating	150-1500#
Design Standard	ANSI B 16.5
Testing Standard	API 598
Size	50-300 mm NB
M.O.C	ASTM A216 Gr WCB, ASTM A351 Gr CF8/CF8M/CF3/CF3M, Alloy-20, Hast-Alloy-B,C , Monel, AISI 304,304L,316, 316L, Duplex, Super Duplex etc.
Ends	Screwed End, Socket Weld End, Butt Weld End, Flange End

## Rotary Airlock Feeders Manufacturer

We are engaged in manufacturing and supplying huge range of Rotary Airlock Feeders. We are recognized brand name well-known as leading manufacturer, supplier of Rotary Airlock Feeders. We manufacturing different types of **Rotary Airlock Feeders** such as **Blow Through Rotary Airlock Valve**, **[Bottom Discharge Rotary Airlock Valve](#)**, **Sanitary Rotary Air Lock Feeder**, **Side Entry Rotary Air Lock Valve**.