

BEW[®] BEENA ENGINEERING WORKS

An ISO 9001:2008 Certified Company

Consistency in Quality Commitment

Flowrise[®]



The Company has installed facility to manufacture Industrial Valves 1/4" to 42" with Brand Name "FLOWRISE" Ball Valves, Butterfly Valves, Pinch Valves, Gate- Globe-NRV Valves, & M.S. S.S. Pipe Fittings. We have our Own 2 independent Mfg. Units each for Industrial Valves, Cock & Pipe Fittings. The total installed capacity is around Maximum Valves per annum. Also we manufacturer all type of machinery parts Bushes implier, Shafting, Pin, Components any type as per your samples & Blue prints, Only repairing any type of Valves, Cock & Fabrication and machinery gear box, Worm wheel.

We are one of the Leading Company of India who design & manufacture a complete range of Valves in our class. Our Valves meet international standards and are tested for all the parameters required to withstand rigorous performance standard. Our reliability can be measured by the repeat orders that we have been receiving from all our customers and regular orders which come from various Government and Semi-Government projects, Refineries, Paper, Steel, Cement, Petro-Chemicals & Fertilizer Plants, various other Industries and State Electricity Boards. Many of these Valves are specified by Consulting Engineering Companies. Company Manufacture valves in accordance with ASA, DIN, BSS & ISS specification and pressure rating up to ASA, class 150,300 or DIN/KG/CM2 with IBR & NON IBR test certificate which please note.

About The Management

M/s. **BEENA ENGINEERING WORKS**, Ahmadabad was initially incorporated as a in the year 1989 in the State of Gujarat by converting the erstwhile Proprietor Firm named as "BEENA ENGINERRING WORKS" which was established in the year 1989 by Mr. UMESH SHAH & Mr. AMRUTLAL SHAH. Mr. Umesh Shah has 25 years experience in this Filed of making Valves. Company has a very steady growth rate based on the Order List Position and Strong & Valuable inquiry & Order Inflow.

BEENA ENGINEERING WORKS maintains the strictest Quality Standards that confirm to international quality benchmarks over the years product with It's - **ISO 9001:2008 Certification**. A development has sustained our reputation for integrity sound technical capabilities and client oriented policies. Every product carried our name and with it the assurance that every person in our organization subscribes to – QUALITY.

We over the years have built SURE CONFIDENCE with our clients for supply of the best QUALITY PRODUCT meeting national and international standards in – Materials, Delivery, Packing, Value and Services. The company strives to fulfill the customer's right to except the best we can deliver all of the time. Not only does the company assures our products, services but also ascertains the solution of specific customer problems, to meet unique challenges and seize opportunities for growth and worldwide prestige. Talk to us at **BEENA ENGINEERING WORKS**, and know why we are called as a Quality Valves Manufacturer of the Indian valves industry. National quality benchmarks over the years product developments has sustained our reputation for integrity sound technical capabilities and client oriented policies.

"QULITY MOTO IS BEENA ENGINEERING WORK'S AIM TO GIVE BEST AND PRESTIGIOUS VALVES FOR IT'S CLIENT "

Making excellent Quality Products, providing perfect service" to it's our Pursuit.

R & D

The Research and Development based on modern technical and professionally managed work-shop with team of technically persons in the relevant field. We are engaged in Development of Flow-Control Systems, Valves Automation & Industrial valves.

The company has in house designing and development with ultramodern tools run by skilled professionals to develop designs required by clients. Innovation generated continual improvement, and this is precisely the creed that sustains our work ethic. Quality is a word that a taken very seriously by the Company, especially as we must work in tandem with customers Quality Requirements.

Looking forward to receiving your valued Inquiries.

Knife Edge Gate Valve

Flowrise Knife gate is an UNII-DIRECTIONAL / BI-DIRECTIONAL Lug type valve designed according to MSS-SP-81 for industrial service applications. The Design of the Body and seat assures non-clogging shut of on suspended solids in industries such as:

- Pulp and Paper
- Waste Water Treatment Plants
- Power plants
- Food and Beverage
- Mining
- etc.
- Chemical plants

Working Pressure :

- DN 50/2" to DN 400/16" : 10kg/cm² / 150 psi
- DN 450/18" to DN 800/32" : 4 kg/ cm² / 60 psi
- DN 850/34" to DN 1050/42" : 3 kg/cm² / 45 psi

Sizes : DN 50/2" to DN 1050/42" (larger diameters on request)

Standard Flange Connection : DIN PN 10 and ANSI B16.5 (class 150) others on request.

PART	CAST IRON : STAINLESS STEEL LIST :
1- BODY :	C.I, WCB CF8, CF8M, SGI
2- GATE	AISI 304 AISI 316
3- SEAT	METAL TO METAL (EPDM/VITON/NITRIL)
4- PACKING	PTFE IMPREG. SYNTH, FIBRE
5- GLAND FOLLOWER	DUCTILE IRON CF, 8, CF8M, WCB
6- STEM	AISI 304
7- STEM NUT	GUN METAL
8- YOKE	CARBON STEEL
9- SEAT RING	AISI 304 AISI 316
10 - OPERATED :	PNEUMATIC / MANNUL
11 - FASTNERS	ZINC PLATED CARBON STEEL



Flowrise - F10

DESIGN FEATURES

Body : One Piece integrally Investment Cast Body With Reinforced Ribs In Larger Diameters for Extra Body Strength. Internal AISI 304, AISI 316 Gate Wedges And Guides Allows For Tighter Shutoff. Port Design According To Mss-sp-81 Internal Design Avoids Any Build Up Of Solids That Would Prevent Valve From Closing.

Gate : Standard AISI 304, ASI 316 Stainless Steel Gate. Gates Polished And Lapped For A Greater Seal Between The Gate With Both Packing And Seat. Bottom of The Gate Edge is Machined To A Bevel To Cut Through Solids For A Tighter Seal In The Closed Position.

Seat : Unique Design That Mechanically Locks. The Seat in The Internal of The Valve Body With A Stainless Steel Retainer Ring. Standard Edpm: Viton, PTFE, etc.

Packing : Standard Braided PTFE Impregnated Fibre, Graphite, Asbestoes For Better Shut Off, With An Easy Access Packing Gland Ensuring A Tight Seal Long Life Braided Packing is Available in A Wide Range Of Materials.

Stem : The SS 304 Stem Offers A long Corrosion Resistant Life. For Rising Stem Handwheel With Gun Metal Stem Nut.

Actuators : All Actuators Supplied By **Flowrise** Are Interchangeable, And Supplied With An Standard Mounting Kit To Allow For Installation On Site.

Yoke or Actuator Support : Made Of Epoxy Coated Steel Compact Design Makes it Extremely Robust Even Under The Most Severe Conditions.

Epoxy Coating : The Epoxy Coating On All **Flowrise** Cast Iron And Carbon Steel Valve Bodies And Components is Electrostatically Applied Making The Valve To Be Corrosion Resistant With A High Quality Finished Surface. The **Flowrise** Standard Colour Is Raching Blue.

Gate Safety Protection : **Flowrise** Automated Valves Are Provided With Gate Guards In Accordance With Safety Standards. the Design Feature Prevents Any Objects From Being Caught Accidentally While The Gate Is Moving.



| Single | Two | Three Piece | Fire Safe Design | Full Bore | Regular Port | Floating | Tunion Mounted |

STANDARD	
DESIGN STANDARD	BS 5351
INSPECTION & TESTING STANDARD	BS 5146, BS 6755-II / API 607 / API 6FA FOR FIRE SAFE DESIGN
FACE TO FACE	AS PER ANSI B 16.10
END CONNECTION	FLANGED END TO ANSI B 16.5/BS 10 TABLE SOCKET WELD END TO ANSI B 16.11 BUTTWELD END TO ANSI B 16.25 SCREWED END TO ANSI B 1.20.1
SIZE RANGE	1/ 4" TO 12"
PRESSURE RATING	150#, 300#, 600#, 800#, 1500#
OPERATION	HAND LEVER / GEAR / PNEUMATIC / ELECTRICAL ACTUATOR OPERATED

Flowrise - F3



Flowrise F1

| Split Body | Side Entry | Flange End Ball Valve |



Flowrise F2

Design Features | Standard | Option | Exploded View - 150mm-Lever Operated | 15-100mm | 150-300mm - Gear Operated | Dimensions View 15-50mm | 150-300mm-Gear Operated

Design Features	Standards
Full or Reduce Bore	Design : ASME B 16.34, BS EN ISO 17292 & API 6D
Renewable Seat & Seals	Pressure Test : API 598 / BS EN ISO 12266-1 / API 6D
Double Body Seals (In Fire Safe Design Only)	Face To Face : ASME B 16.10 / API 6D
ISO Mounting pad to suit actuator gear box and other hardware mountings	Flange Dimension : ANSI B 16.5
Maintenance free live loaded double sealing in gland high cycle stem packing system provides extra longer-service life	Mounting Pad : DIN 3337/ ISO 5211
Anti-Static Device	Material Certifications : DIN 50.049-3 1 B
Blowout proof Stem	Nace MR 01-75 Complaint
'Firesafe to API 607 Std. IV Edition'	Quality Systems / Certifications : ISO 9001:2008

| 2 Piece Body | Side Entry | Flange End Ball Valve |

Two Piece Design, Side Entry, Flange End Ball Valve	
Size	: 1/2" To 12"
Bore	: Regular / Full Bore
Material	: Carbon Steel, Stainless Steel and Alloy Steel
Seat	: PTFE/ RPTFE / DEVLON / PEEK
Ratings	: 150 / 300 / 600 / 900 Class
Ends	: Flanged



Flowrise F4



Butterfly Valve

| Slim-seal Center Disc | Off-Set Disc Design |



Flowrise - F7

Flowrise F8

STANDARD	
DESIGN STANDARD	BS 5155/API 609
INSPECTION & TESTING STANDARD	BS 6755
FACE TO FACE	AS PER ANSI B 16.10
END CONNECTION	WAFER TYPE, DUBLE FLANGE END, OFFSET DISC DESIGN, SUITABLE TO MOUNT BETWEEN ANSI B 16.5/BS 10/300#/150#/DIN/IS FLANGE
SIZE RANGE	1.1/ 2" TO 40"
PRESSURE RATING	PN 10 / PN 16
OPERATION	HAND LEVER/ GEAR / PNEUMATIC / ELECTRICAL ACTUATOR OPERATED

Pulp Valve

Flowrise Offers Pulp Valve. (Plate Valve) Which Are Carefully Design To Offer Unrestricted Smooth Flow Of Viscous Fluids, Recesses Free Straight Passage Orifice Offers Minimum Body Contact Of Line Fluid, Avoids Accumulation of Viscous Fluid In The Orifice Ensures Unaltered Velocity.

Our Pulp Valve Are Widely Used In Sugar Industries For Handling Molasses, Isolation Of Pulp And Fibrous Material In Paper Industries. Our Pulp Valve Are Ideally Suitable For Hopper Isolation In the Cement Industries. For Corrosive Slurries In The Chemical Industries, Powder Application Minerals & Metal Industries, Coal Ash With Abrasive Particle In The Coal & Mining Industries.

Sizes : 2" To 24".

Standard flange connection :

Table "E", "D" Pulp Valve For Slurry Lines, Sludge And Viscous Media Handling, Pulp And Paper Stock Lines, Dry Solid, Powder Handling And Many More.

Valve Operation :

Hand Wheel Operation, Pneumatic Operation, Hydraulic Operation, Chain Wheel Operation Electric Motor Operation, Bevel Gear Operation, Lever Operation.



Flowrise F11

PART	CAST IRON : STAINLESS STEEL LIST :
1- BODY :	C.I, WCB CF8, CF8M
2- GATE	AISI 304 AISI 316
3- SEAT	METAL TO METAL
4- PACKING	PTFE IMPREG. SYNTH, FIBRE
5- GLAND FOLLOWER	DUCTILE IRON
6- STEM	AISI 304
7- STEM NUT	GUN METAL
8- YOKE	CARBON STEEL
9- SEAT RING	AISI 304 AISI 316
10 - OPERATED :	310 : Ductile Iron / > 410 : GJl 250 (gg25)
11 - FASTNERS	ZINC PLATED CARBON STEEL

Diaphragm Valve

| "A" Weir Type | "KB" Type Rubber lined | Unlined |

STANDARD	
DESIGN STANDARD	BS 5156
INSPECTION & TESTING STANDARD	BS 6755
FACE TO FACE	AS PER ANSI B 16.10
END CONNECTION	FLANGED END TO ANSI B 16.5/BS 10 TABLE
	SOCKET WELD END TO ANSI B 16.11
	BUTTWELD END TO ANSI B 16.25
	SCREWED END TO ANSI B 1.20.1
SIZE RANGE	1/2" TO 12"
PRESSURE RATING	PN 10
OPERATION	HAND LEVER / GEAR / PNEUMATIC /
	ELECTRICAL ACTUATOR OPERATED



Flowrise - F27

Gate Valve

| Bolted Bonnet OS & Y Type | Rising Spindle Seal Design |



Flowrise - F24

STANDARD	
DESIGN STANDARD	API 600 / API 602 / API 603
INSPECTION & TESTING STANDARD	API 598
FACE TO FACE	AS PER ANSI B 16.10
END CONNECTION	FLANGED END TO ANSI B 16.5 / BS 10 TABLE
	BUTTWELD END TO ANSI B 16.25
SIZE RANGE	1/2" To 24"
PRESSURE RATING	150#, 300#, 600#, 800#, 1500#.
OPERATION	HAND WHEEL / GEAR /
	PNEUMATIC CYLINDER
	ELECTRICAL ACTUATOR OPERATED

Globe Valve

| Bolted Bonnet | OS & Y Type | Rising Spindle Seal Design |

STANDARD	
DESIGN STANDARD	BS 1873/DIN
INSPECTION & TESTING STANDARD	BS 6765
FACE TO FACE	AS PER ANSI B 16.10
END CONNECTION	FLANGED END TO ANSI B 16.5/BS 10 TABLE
	BUTTWELD END TO ANSI B 16.25
SIZE RANGE	1/2" TO 24"
PRESSURE RATING	150#, 300#, 600#, 800#, 1500#
OPERATION	HAND WHEEL / GEAR / PNEUMATIC /
	ELECTRICAL ACTUATOR OPERATED



Flowrise - F14



Check Valve (NRV)

| Swing | Lift |



STANDARD	
DESIGN STANDARD	BS 1868/API 6D
INSPECTION & TESTING STANDARD	BS 6755/API 6D
FACE TO FACE	AS PER ANSI B 16.10
END CONNECTION	FLANGED END TO ANSI B 16.5/BS 10 TABLE BUTTWELDED END TO ANSI B 16.25
SIZE RANGE	1/2" TO 24"
PRESSURE RATING	150#, 300#, 600#, 800#, 1500#

Dual Plate Check Valve / D.C.V

| Wafer | Flap Type | Disc Check Valve |

STANDARD	
SIZE	2" - 32" For dual plate check valve / wafer check valve
CLASS	150 lbs - 900 lbs
SIZE RANGE	1/2" to 8" for D.C.V
DESIGN AND MANUFACTURE	API 6D
FACE TO FACE	ANSI B 16.10
FLANGE END	ANSI B 16.5
INSPECTION ANT TEST	API 598
BODY AND DISC	Carbon Steel, Stainless Steel
STEM	Stainless Steel
TORSION SPRING	Stainless Steel
SEAL SURFACE	Buna-n rubber, Stainless Steel



Pinch Valve



FEATURES	
BODY	C.I. IS 210 Gr 20-25
PINCHING BARS	C.I. IS 210 Gr 20-25
SLEEVE	To Suit Service
SPINDLE	AISI 410
BRIDGE	Cast Steel
LUG'S CLAMP	M.S.
SPINDLE'S CLAMP	G.M.
TIE BARS	AISI 410
KEY	M.S.
YOKE BUSH	G.M.
TRAVEL LIMIT NUT	M.S.
WHEEL	C.I.
WHEEL NUT	M.S.
SET SCR.	M.S.

STANDARD	
M.O.C.	CAST IRON, WCB, ALUMINUM.
SIZE RANGE	1" TO 12"
END CONNECTION	FLANGE END ANSI B 16.5 / BS 10 TABLE - D,E,F
SLEEVE	NEOPRENE, EPDM, VITON, SILICON, HYPLON, TEFLON.
OPERATION	HAND WHEEL, GEAR OPERATED, CHAIN WHEEL & PNEUMATIC OPERATED.



Flanges & Fittings



Flowrise - F44/45/46/47

FLANGE STANDARD- IBR / Non-IBR

M.O.C	M.S, Forge, S.S, 304/316, G.I
END CONNECTION	WELD NECK / SLIP ON/LAP JOINT / SOKET WELD
SIZE RANGE	1/ 2" TO 32"

FITTINGS STANDARD- IBR / Non-IBR

M.O.C	M.S, Forge, S.S, 304/316, G.I
END CONNECTION	BUTT WELD / SCREWED END / SOCKET WELD
Name	Bend, Tee, Reducer, Elbow, Nipple, Socket, etc.



BEENA ENGINEERING WORKS

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 @gmail.com



FLOWRISE ENTERPRISE

Unit 2 : Works
 F-7, Ravi Indus
 Opp. BRTS Bus
 Over Bridge R
 Contact No: 09
 E-mail : flowri



Compound,
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