









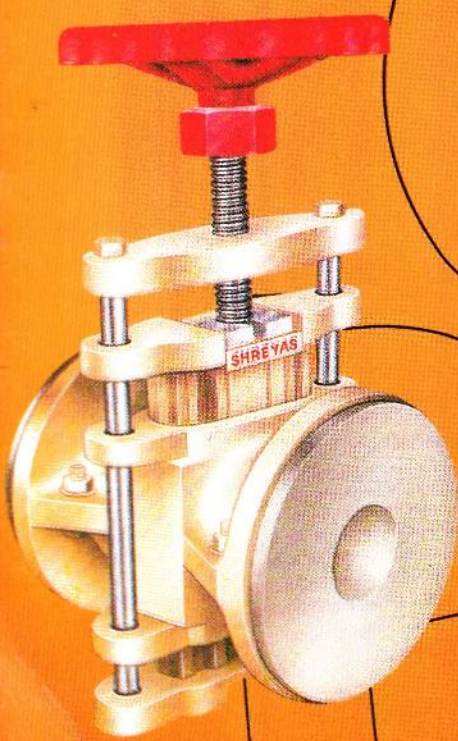
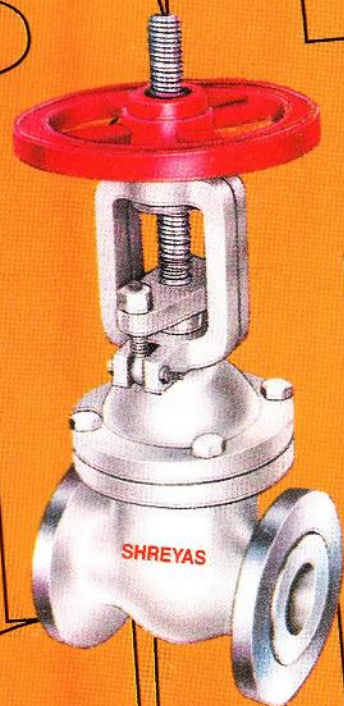
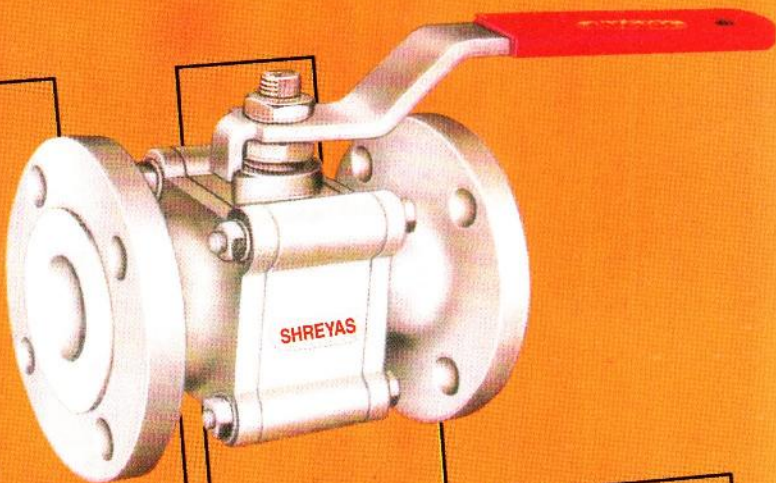






**shreyas**

GLOBAL  
CROSSED 25 LAKH VALVES LIMIT IN SERVICE OF NATION  
INDIA





# BALL VALVES

## DOUBLE SEAL FULL PORT INVESTMENT CASTING BALL VALVES

ANSI CLASS : 150 & 300

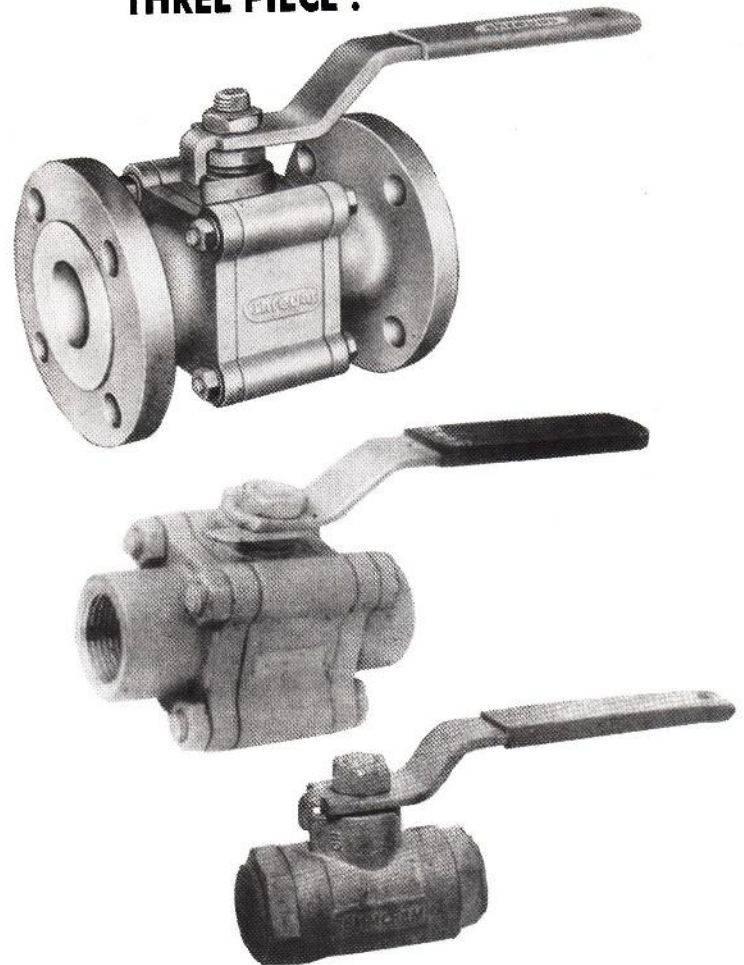
### A Complete Series of Ball Control Valves for Reliable Control of Flow :

We offer a complete series of Ball control valves with extremely broad range for proportionally controlled application. Included in the series are valves in all commonly used body styles & in a wide selection of construction materials. The rugged design of the valves assure reliable performance under extremes of operating conditions, pipeline stresses, hydraulic & thermal shocks.

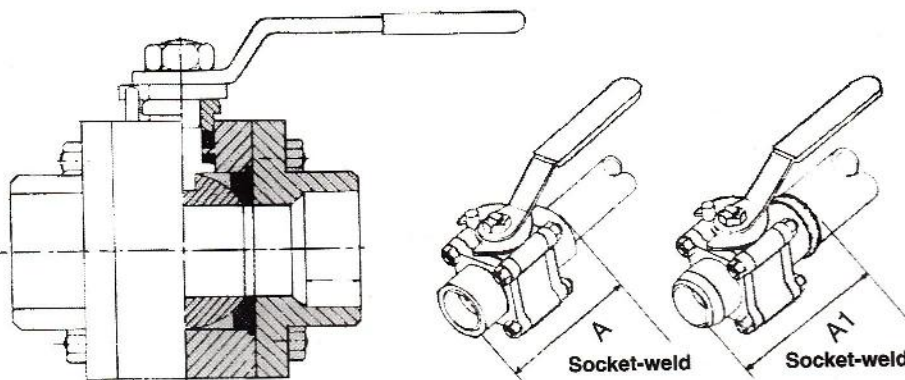
We offer a full ball as control element, reduction of flow result from two orifices in series. In the fully open position, each orifice presents a circular profile, it offers no obstruction of flow. As the valves starts to close, the orifice become smaller and the shape of each goes from circular to elliptical pressure drop is distributed evenly between both orifice. It is advantageous in handling Slurries Fibrous suspensions such as pulp stock viscous Fluids, Sludge, Fertilizers Pharmaceuticals, Textiles etc.

Due to highly effective sealing design mirror finish ball, wide stem drive, our valves offer Cent - per - Cent positive leaktight shut off in closed position in either direction of flow. With varied pressure and temperature, the unique Tension seat in our valve automatically varies for required control of flow.

### THREE PIECE :



### SOCKET WELDED/BUTT WELDED BALL VALVE



### DIMENSIONS (MM)

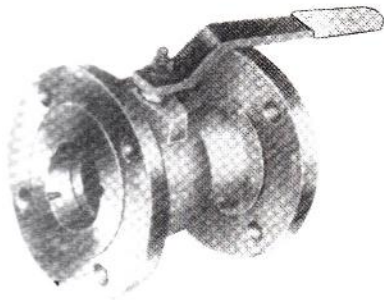
VALVE SIZE	A	B	L	C	D	E	A1
15	84	65	150	29	21.8	10	108
20	91	70	150	35	24.4	13	118
25	100	80	150	43	34.1	13	127
32	110	90	150	54	42.7	13	145
40	118	97	225	58	49.0	13	165
50	126	100	300	71	61.00	16	178



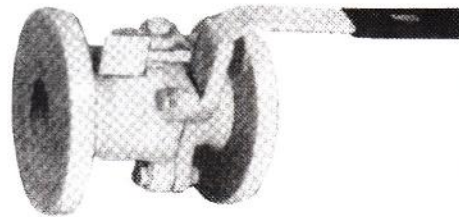
# shreyas

PERFORMANCE PACKED VALVES

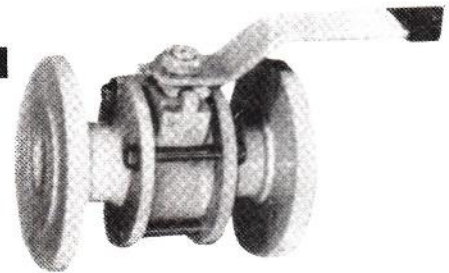
## SINGLE PIECE



## TWO PIECE



## THREE PIECE



## CAST IRON BALL VALVES

## THREE WAY BALL VALVES

NO METAL-TO-METAL MOVING PARTS.  
NO LUBRICATION EVER REQUIRED.

INTERNAL ENTRY STEM  
SELF-ADJUSTING PTFE STEM  
SEALS FOR HIGH CYCLE LIFE

LEAKTIGHT PTFE BODY SEAL  
UNAFFECTED BY TEMPERATURE  
FLUCTUATIONS

LARGE PORT FOR HIGHER  
FLOW CAPACITY

EXTREMELY COMPACT DESIGN FOR INSTALLA-  
TION WHERE SPACE IS AT PREMIUM

INSULATED HANDLE  
ALWAYS SHOWS POSITION  
OF BALL

WIDE BLADE DRIVE FOR  
MAXIMUM BALL ENGAGE-  
MENT STRENGTH

DOUBLE SEAL SEAT DESIGN  
GIVE REPEATABLE, LONG  
LIFE SHUT-OFF

FOUR BOLT DESIGN WITH LOCKING  
FASTENERS FOR VIBRATION RESISTANCE  
AND JOINT INTEGRITY

RUGGED BODY DESIGNED TO RESIST  
PIPING STRESSES AND SHOCK

**BALL VALVES**  
(Full Bore / Reduced Bore)  
Connections : Flanged/  
Screwed / Socketweld / Butweld  
Rating : ANSI CLASS :  
150 / 300 / 600 / 900  
Mfg. Standard : BS 5351  
Sizes : 6 mm to 350 mm

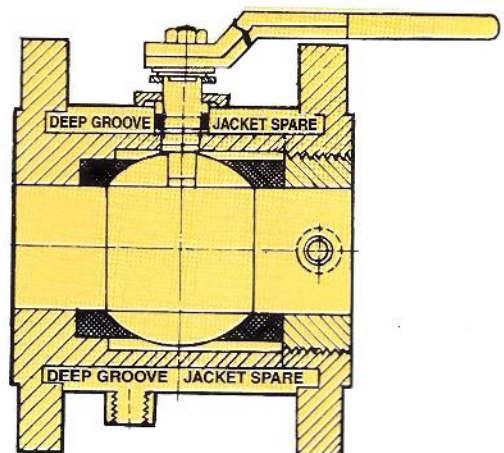
## JACKETED DOUBLE SEAL BALL VALVES

To handle highly viscous materials or materials that solidify at ambient temperatures, "Shreyas" can furnish valves with jackets for steam or other heat transfer media to ensure free flow through the valve and to prevent clogging when the valve is closed.

- \* Plain or deep groove jacket space can be provided as per requirement.
- \* End Flanges can also be provided as for specific requirement

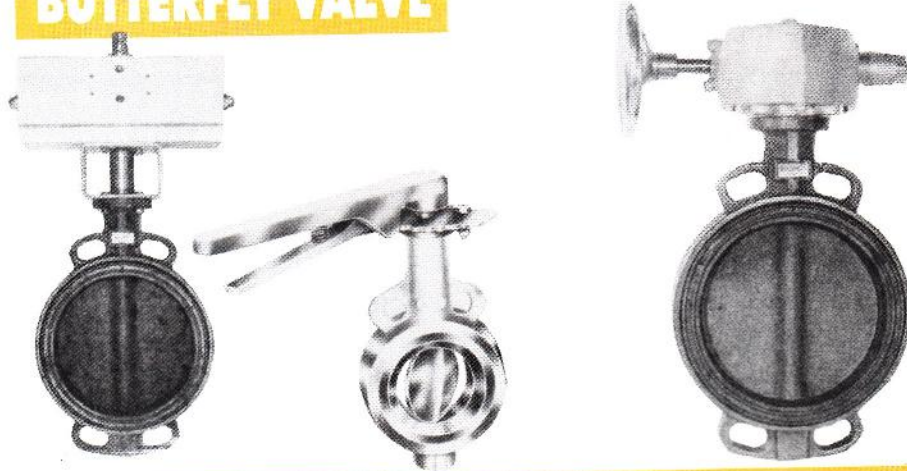
MOC : MS/SS : 304/SS : 316

VALVE SIZE	FLANGE SIZE TABLE 'F'
1/2"	1 1/2"
3/4"	1 1/2"
1"	2"
1 1/2"	2"
2"	3"
3"	4"
4"	6"
6"	8"
8"	10"





## BUTTERFLY VALVE



**Nitrile, E.P.D.M.,  
Butyl, Hypalon,  
Viton**

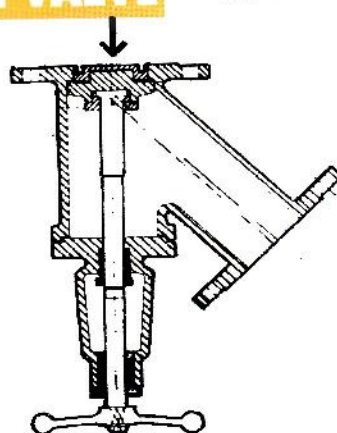
- Cast Iron
  - Cast Steel
  - Stainless Steel
- Size : 50 mm to 1200 mm.  
Connections :  
Wafer Type to be  
mounted between flanges.

## FLUSH BOTTOM VALVE

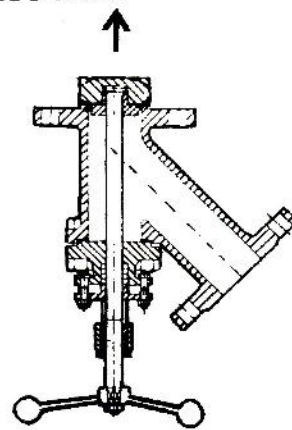
50 mm to 200 mm.



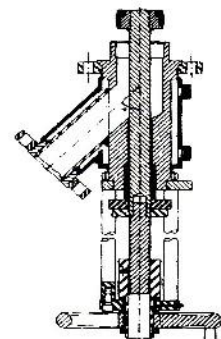
- M.S. / Cast Steel
- Stainless Steel



OPENING  
IN THE VALVE



OPENING  
IN THE TANK



JACKETED  
DESIGN.

These valves are also known as Tank Bottom Valves, mainly used where material at bottom is choked or clogged or suspended particles to be removed with external pressure from the bottom & receive direct flow at a time.

- Special Jacket is provided as per requirement for steam/chilling applications.
- Size : 50mm to 200 mm.

## STRAINER

"Shreyas" Y type pipe strainers are offered in a wide choice of size & material to meet all pipelines straining requirements. All are quality made to high standard and are guaranteed to be free from defects.

- Cast Iron ● Cast Steel
  - Stainless Steel :
- 304 / 316  
Flange End :  
Socket Weld / Butte Weld  
Screen Size :  
40 to 200 microns.



## BASKET / POT TYPE STRAINER

The basket type or pot type strainer is characterised by a vertically orientated chamber, typically larger than the for a Y-type strainer. Size for size, the pressure drop across a basket strainer is less than that across the Y-type as it has a greater free straining area, which makes the basket type strainer the preferred type for liquid applications. As the dirt holding capacity is also greater than in Y-type strainers, the basket type strainer is also used on larger diameter steam pipelines

Basket type strainers can only be installed in horizontal pipelines, and for larger, heavier basket strainers, the base of the strainer needs to be supported.

**Size Upto 300 m.m.**



# BILL OF MATERIAL & PARTS FOR SHREYAS BALL VALVES

PART NO. :	NOMENCLATURE	MATERIAL								
		ASTM A 216 WCB	ASTM A 351A CF8	ASTM A 351CF8M	ASTM A 351CF3	ASTM A 351CF3M	ALLOY 20	HAST B	HAST C	
1	BODY	PTFE / GFT / CFT								
2	SIDE PIECE	PTFE / GFT / CFT								
3	"O" RING	PTFE / GFT / CFT								
4	SEAT	PTFE / GFT / CFT								
5	BALL	PTFE / GFT / CFT								
6	STEM	AISI 304	AISI 316	AISI 316	AISI 304L	AISI 316L	ALLOY 20	HAST B	HAST C	
7	STEM SEAL	AISI 304	AISI 316	AISI 316	AISI 304L	AISI 316L	ALLOY 20	HAST B	HAST C	
8	GLAND PACKING	PTFE / GFT / CFT								
9	GLAND	PTFE / GFT / CFT								
10	GLAND NUT	AISI 304	AISI 316	AISI 316	AISI 304L	AISI 316L	ALLOY 20	HAST B	HAST C	
11	LEVER	SS - 304								
12	LEVER NUT	S.S.304/MS CD. PLATED								
13	BODY STUD	S.S.304/MS CD. PLATED								
14	BODY NUT	SS 304/ASTM A 193 GR. B7 / M.S.C.D. PLATED								
15	LEVER INSULATION	SS 304/ASTM A 194 GR. 2H / M.S.C.D. PLATED								
		SOFT PVC								

## Flanges Table Standard Common for Ball, Gate Globe, Check Strainer etc.

NOMINAL BORE SIZE (mm)	VARIOUS FLANGE STANDARDS	FACE TO FACE		FLANGE DIMENSIONS					
		GLOBE VALVE	BALL & GATE VL.	O.D.	PCD	R.F. DIA	THICKNESS	BOLT HOLE DIA	NO. OF HOLES
15	ASA - 150	108	108	88.94	60.3	34.9	11.1	15.9	4
	ND - 40	130	-	95	65	45	14	14	4
	BS - D, E	130	108	95.3	66.7	-	9.5	12.7	4
	TABLE : F	130	108	95.25	66.7	35	9.5	14.3	4
20	ASA - 150	117.5	117.5	98.4	69.9	42.9	12.7	15.9	4
	ND - 40	150	-	105	75	58	16	14	4
	BS - D, E	150	117.5	101.6	73	-	9.5	12.7	4
	TABLE : F	150	117.5	101.6	73	43	9.5	14.3	4
25	ASA - 150	127	127	107.9	79.4	50.8	14.3	15.9	4
	ND - 40	160	-	115	85	68	16	14	4
	BS - D, E	160	127	114.3	82.6	-	9.5	12.7	4
	TABLE : F	160	127	120	87.3	51	9.5	17.5	4
32	ASA - 150	-	139.7	117.5	88.9	63.5	15.9	15.9	4
	ND - 40	180	-	140	100	78	16	18	4
	BS - D, E	-	139.7	120.7	87.3	-	12.7	15.9	4
	TABLE : F	-	140	133	98.4	63	12.7	17.5	4
40	ASA - 150	165.1	165.1	127	98.4	73	17.5	15.9	4
	ND - 40	200	-	150	110	88	16	18	4
	BS - D, E	200	165.1	133.4	98.4	-	12.7	12.7	4
	TABLE : F	200	165	140	104.8	73	12.7	17.5	4
50	ASA - 150	203.2	177.8	152.4	120.6	92.1	19	19	4
	ND - 40	230	-	165	125	102	18	18	4
	BS - D, E	230	177.8	152.4	114.3	-	14.3	15.9	4
	TABLE : F	230	178	165	127	92	15.9	17.5	4
65	ASA - 150	215.9	190.5	177.8	139.7	104.8	22.2	19	4
	ND - 40	290	-	185	145	122	18	18	8
	BS - D, E	290	190.5	165.1	127	-	14.3	15.9	4
	TABLE : F	290	190	185	146	105	15.9	17.5	8
80	ASA - 150	241.3	203.2	190.5	152.4	127	23.8	19	4
	ND - 40	310	-	200	160	138	20	18	8
	BS - D, E	310	203.2	184.2	146.3	-	14.3	15.9	4
	TABLE : F	310	203	203	165	127	15.9	17.5	8
100	ASA - 150	292.1	228.6	228.6	190.5	157.2	23.8	19	8
	ND - 40	350	-	220	190	158	20	18	8
	BS - D, E	350	228.6	215.9	177.8	-	17.5	15.9	8
	TABLE : F	350	229	228.6	190.5	157	19	17.5	4-8
125	ASA - 150	355	254	254	216	186	23.8	22.2	8
	ND - 40	400	-	270	220	188	26	27	8
	BS - D, E	400	254	254	209	-	17.5	15.9	8
	TABLE : F	400	254	279.4	235	188	22	22	8
150	ASA - 150	406.4	266.7	279.4	241.3	215.9	25.4	22.2	8
	ND - 40	480	-	285	250	212	26	27	8
	BS - D, E	480	266.7	279.4	234.7	-	17.5	15.9, 19	8
	TABLE : F	480	266.7	305	260.3	216	22	22	8
200	ASA - 150	495.3	292.1	342.9	298.4	269.9	28.6	22.2	8
	ND - 40	600	-	340	320	268	28	30	12
	BS - D, E	600	292.1	336.6	292.4	-	19	19, 22	8
	TABLE : F	600	292	368.3	324	270	25.4	22	12

This standard chart is only for ready reference.

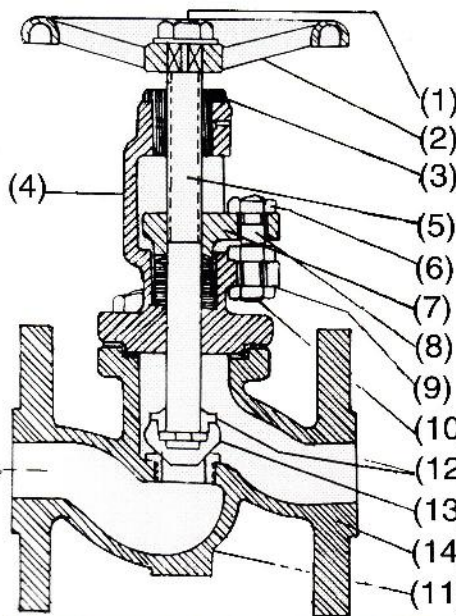
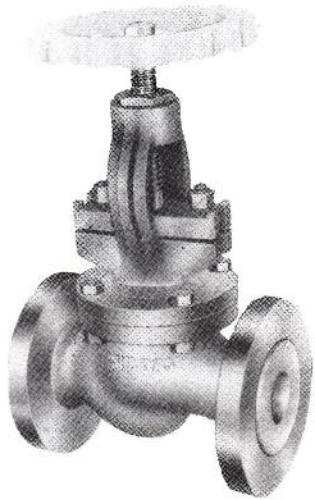
Complete Series of Valves tested to its Characteristics Remark

TOLERANCE APPLICABLE : ± 3 mm IN FACE TO FACE  
± 0.5 mm IN PCD & HOLE DIAMETER

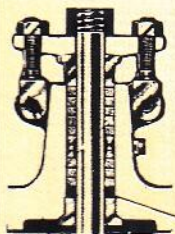
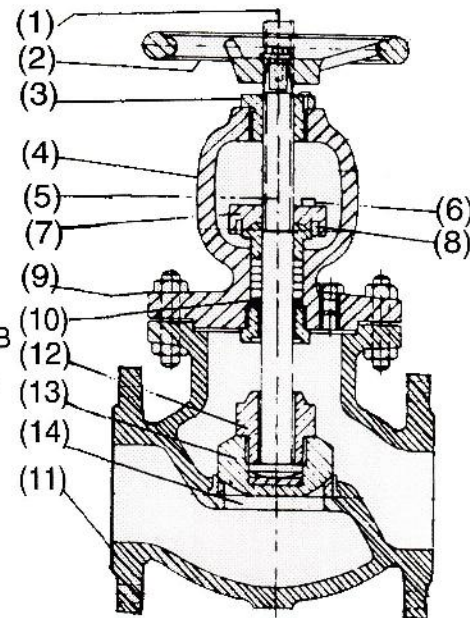


# GLOBE VALVES

**CAST STEEL GLOBE VALVES : CLASS - 150**  
**CAST CARBON STEEL GLOBE VALVE : ND - 40**



- (1) Wheel Nut-Steel ASTM A - 307 B
- (2) Wheel Cast Iron
- (3) Yoke Bush - M.S.
- (4) Bonnet-A216 Gr WCB
- (5) Spindle - 13% Chromium 410 s.s.
- (6) Gland Follower Nut-Steel ASTM A - 307A
- (7) Gland Follower : A 216 Gr. WCB Carbon steel
- (8) Gland Follower Stud : Steel ASTM A - 307 Grade B
- (9) Gland Packing : Graphite Impregnation Asbestos
- (10) Special H. T. Ring - Grafoil Ring
- (11) Body : A 216 Gr. WCB
- (12) Swivel Nut : Steel ASTM A 307 B
- (13) Valve Disc : 13% Chromium 410 s.s.
- (14) DISC Seat Ring : 13% chromium 410 s.s.



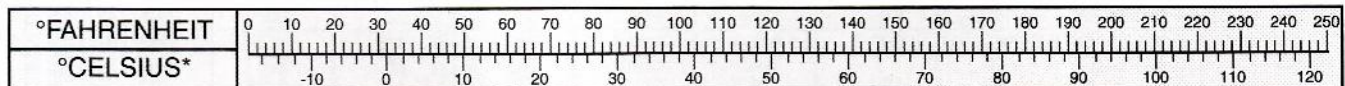
**GRAFOIL GLAND PACKAGE :**  
Each Valve is provided with one grafoil ring to restrict gland leakage, supported with numerous graphite impregnated packings. Specially for high temperature application Grafoil Ring.

HYDRAULIC TEST		PRESSURE
Class	Body	Seat
150	452 PSIG	300 PSIG
300	1100 PSIG	750 PSIG

AIR TEST		
Class	Body	Seat
150	100 PSIG	100 PSIG
300	100 PSIG	100 PSIG

Temperature Conversions

$$F = C \times 1.8 + 32 \quad C = (F - 32) : 1.8$$



\*Formerly known as Centigrade

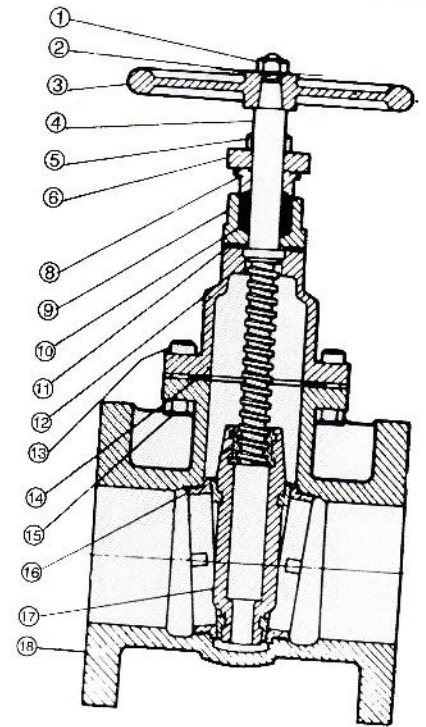


# GATE VALVES

**shreyas**  
PERFORMANCE PACKED VALVES



- (1) Handwheel Nut
- (2) Washer
- (3) Hand Wheel
- (4) Stem
- (5) Gland Follower Nut
- (6) Gland Follower
- (7) Gland Follower bolt
- (8) Packing Gland
- (9) Stuffing Box
- (10) Packing
- (11) Stuffing Box Gasket
- (12) Bonnet.
- (13) Body Bolt
- (14) Body Gasket
- (15) Body Nut
- (16) Seat Ring
- (17) Wedge
- (18) Body
- (19) Stuffing Body Nut



## Globe Valves :

## DESIGN FEATURES

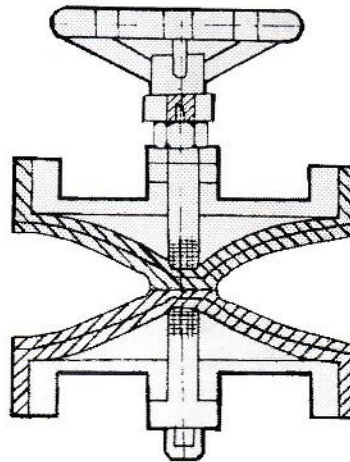
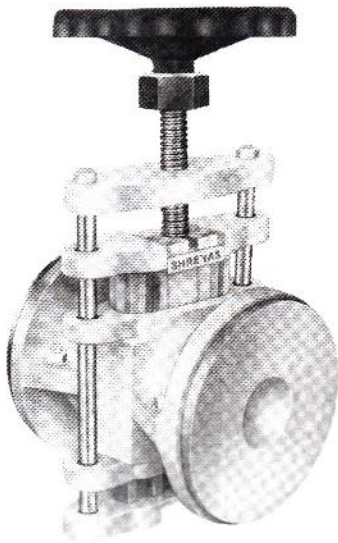
## Gate Valves :

- (1) Body & Bonnet : Castings are Precise machined, fully enclosed with soft iron wired gasket
- (2) Stuffing Box : Deep Cavity with back seat on Spindle & bonnet itself, Valve can be repacked under pressure.
- (3) Yoke Bush : Bushing can be renewable on line.
- (4) Gland Follower : One Piece, perfect construction for easy alignment
- (5) Stem : Centreless ground stem with precision cut full acme thread
- (6) Seat : Hard faced with 410 S.S. (13% Chrome)
- (7) Disc : Floating stem-disc engagements Disc hardened with S.S. 410 (13% Chrome) ground & Lapped with seat.
- (8) Universal Trim : For all applications up to 450°C S.S. 410 (13% Chrome)
- (9) Flanges : 1.5 mm serrated raised face.

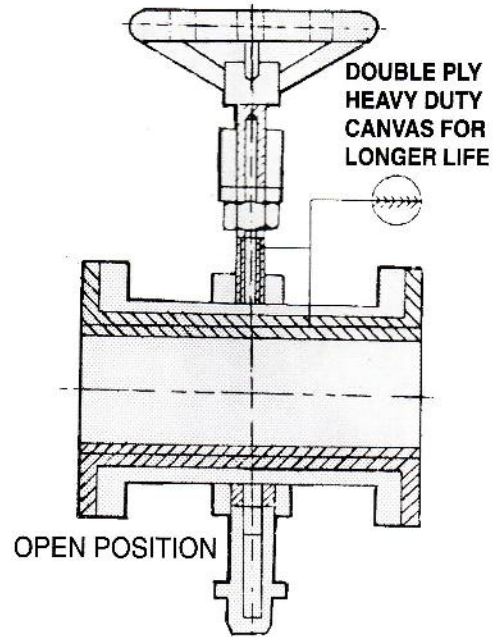
- (1) Body & Bonnet : Castings are Precise machined, fully enclosed with soft iron wire gasket
- (2) Stuffing Box : Deep Cavity with back seat valves can be repacked under pressure.
- (3) Yoke Bush : Gun metal / M.S. Bushing is renewable.
- (4) Gland Follower : One Piece, perfect construction for easy alignment
- (5) Stem : Centreless Mirror Finish ground stem with precision cut full acme thread
- (6) Seats : Seats are hard faced S.S. 410 (13% Chrome)
- (7) Wedge : Flexible wedge design with low centre stem-wedge contact Wedge is hard faced with S.S. 410 (13% Chrome) precisely grounded with seats.
- (8) Universal Trim : For all applications up to 450°C S.S. 410 (13% Chrome)
- (9) Flanges : 1.5 mm serrated raised face.



# PINCH VALVES



CLOSED POSITION



OPEN POSITION

Alluminium Body / Cast Iron, Pinch valves having Rubber Sleeves are extra heavy with full covering flanges preventing corrosion body and four reinforced pulling lugs for positive operation. The sleeve is internally completely reinforced. SHREYAS PINCH VALVES are having special locknut device on wheel for standard tightening in close position, minimising extra permanent pressure on sleeve, extending the life of sleeve. Lock nut gives sleeve tightening setting.

The sleeves internally completely reinforced, which will stand against continuous operation. The Sleeve is such designed that it will retain complete roundness in full open position giving full flow of pipe line.

Valves fullway-seatless & glandless, Heavyduty replacable Elastomer sleeve. Four reinforced pulling lugs give positive & definite results in open & close position, prevents sleeves from collapse even in vacuum full covered flanges protects from corrosion effects. Can be drilled to DIN, BS 10, IS or any.

This Valve incorporates all the Modified designs based on our vast experience in the field. The Valves are of complete sturdy construction to handle various abrassive & Corrosive Liquids.

## APPLICATIONS

Chemicals, Alkaline Mixtures ■ Acids, Slurries & Intermediates, Liquid Foods, Viscous fluids, Sludges, Gramles ■ Dry Suspension ■ Powder Collectors  
 ■ Gases Pulps ■ Vacuum ■ Sewage Plants  
 ■ Thermal Power Stations Water Containing Ash.  
 ■ Pharmaceuticals-Picklings ■ Textiles Industry  
 ■ Mining & Cement Industry ■ Acid & Chemical Tankers ■ Refineries ■ Fertilizers

## SALIENT FEATURES

- Straight Full Flow. No Liquid Hammering
- Can withstand 8 Kg./cm<sup>2</sup> working pressure & More.
- Utility in vaccum up to moderate pressures
- Perfect Sealing even on Untrapped solids.
- Can handle most corrosive and abrassive materials
- Built in Flange Gaskets.
- Only repalcable part - rubber sleeve !!!
- Split casting ensure quick maintenance of the valve.
- Heavy duty Graded Cast Iron/Alluminium Alloy.

## SLEEVE AVAILABLE IN :

Neoprene, Natural, Butyl, Hypalon, Viton, E.P.D.M. or Special Suit Services.

Face to Face Length are as per conventional Diaphragm Valves

SIZE IN mm	25	40	50	65	80	100	125	150	200	250	300
L	133	152	197	222	265	311	362	412	527	640	760
H OPEN	176	216	246	279	323	379	460	508	612	733	860
D DIA	120	140	165	185	203	229	279	305	368	432	480



# PISTON VALVE



## SHREYAS Z PACK PISTON VALVE FOR STEAM, THERMIC FLUID & HYTHERM



### SHREYAS Z Pack – Zero leak seat rings for high pressure & temperature upto 420°C

SHREYAS Invented & developed the piston valve by replacing the disk and seat of a conventional globe valve with a cylindrical piston and two resilient, replaceable sealing rings. Constant research and development have resulted in sealing rings that provide the piston valve with an extraordinary ability to seal line pressure as well prevent leakage to the atmosphere

The SHREYAS Piston valve has out-performed other generic valve types in all tests and these results have been consistently confirmed by extraordinary performance in customer installations.

### SHREYAS Z Pack – Zero leak seat rings for high pressure & temperature upto 420°C

#### An extraordinary sealing system : Amazingly simple and reliably tight shut of..

Grounded hard face stainless steel piston enclosed by two valve rings makes up the sealing element. The upper valve ring provides the stem seal, while the lower valve ring seals the passage. The large sealing surface on the piston and rings provides an optimal seal.

When closing the valve, the piston pushes and wipes away any impurities, which might be present in the fluid, a head of itself. Therefore media with fibrous or contaminated constituents are reliably sealed.

The double guidance of the piston in the closed position prevents fluttering and vibration in the throttled position and is better able to handle turbulence in the pipeline.

#### Excellent control characteristics-

The valve stays in the line while changing the valve rings- Once installed, the valve is absolutely maintenance free for a long time. In case worn valve rings have to be changed, this is very easily done with the valve in the line, with spanners available.

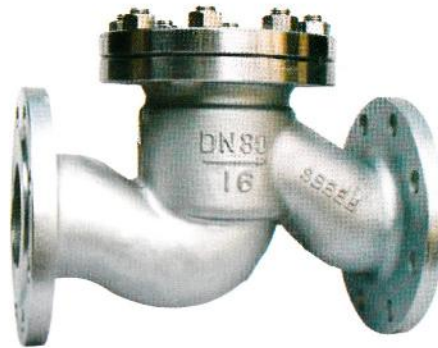
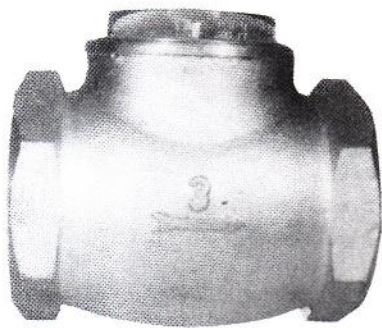
Shreyas piston valve cast carbon steel & is manufactured to ANSI Class 150 & 300 pressure rating. The piston valve is a seat less & glandless valve. In piston valve, seat and gland are replaced by lower and upper sealing rings. The unique design ensures a long life even at high temperature up to 420 deg C.

Sizes Available 15, 25, 40, 50, 65, 80, 100, 150 End Connections Flanged ends with ANSI Class 150 & 300.

**EXCLUSIVE - 18 MONTHS WARRANTY**



## LIFT CHECK VALVE



MATERIAL OF CONSTRUCTION :

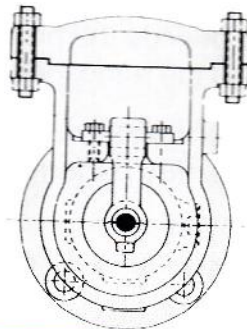
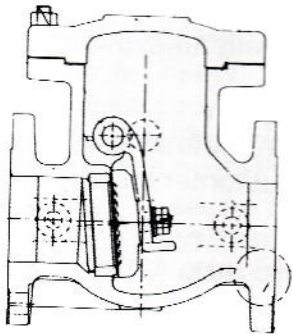
- Cast Steel ● Cast Iron
- Gun Metal ● Stainless Steel

CONNECTIONS :

- Flanged : TO ASA - BS DIN
- Screwed : To BSP / BSPT / NPT /
- Socket Weld / Butt Weld

PRESSURE RATING : As per  
Class : 150, 300, ND : 10 & 40

## SWING CHECK VALVE



- Cast Iron
- Cast Steel
- Stainless Steel

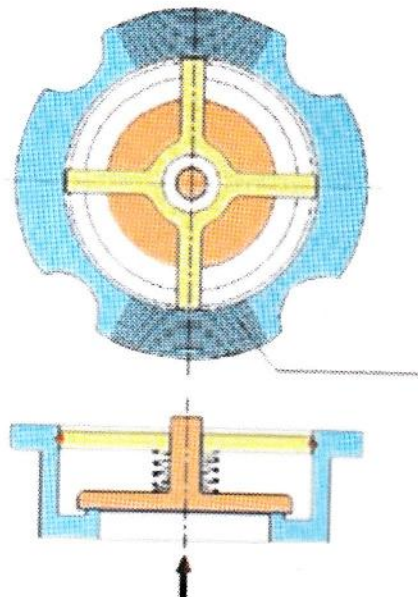
Reflux valves with Rubber / Teflon / Metal Ring  
Size : From 25 mm to 250mm as per IS 1312

- Drilled as per requirements
- Can work under vacuum also.
- Suitable for Horizontal as well as vertical mountings.

## CHECK VALVES

### SHREYAS Check Valves

These valves are applicable for oil gas, water refining, power and chemical, where the prevention of flow reversal is mandatory





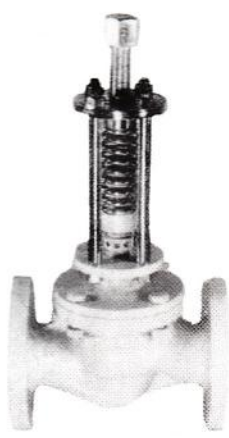
**PULP VALVE**



Mainly Used in Paper Industry While Chocking or Clogging of materials like Stork, Pulp etc.  
Sizes : 2" to 12"

- C.I. Body with S.S.
- Working Parts Complete Stainless Steel

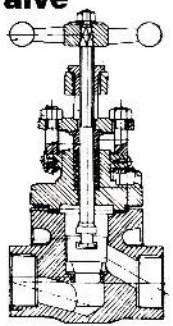
**SAFETY VALVE**



**Cast Iron  
Straight Pattern  
Spring Loaded  
Safety Valve :**

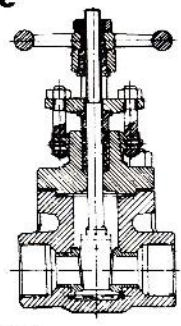
MOC : ASTM A 216 Gr WCB  
TRIMS : SS 410 (with 13% chromes)  
SPRING : SPRING STEEL IS 4454  
DESIGN : Bolted Bonnet.  
MFG. STANDARD : API 526  
TESTING : Body pressure 600 PSIG  
SET PRESSURE : 70 PSIG or specified.

**Forged Steel  
Globe Valve**



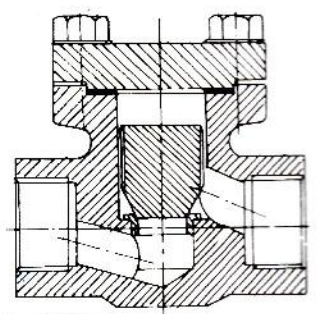
Class : 800  
Size : 15 mm to 50 mm

**Forged Steel  
Gate Valve**



Class : 800  
Size : 15 mm to 50 mm

**Forged Steel  
Check Valve**



Class : 800  
Size : 15 mm to 50 mm

**SIGHT GLASS**



- Cast Steel
- Cast Iron
- Stainless Steel

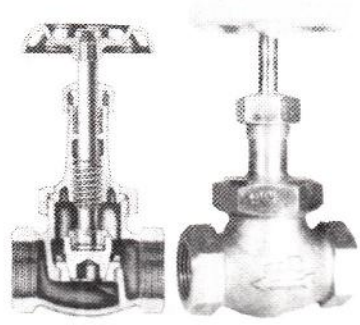
Available in two designs :  
● Tubular Toughned glass &  
● Window type Single & Double Toughned glass.  
These valves are generally used to check flow & proportion  
Szie : Screwed Connection : 15 mm to 50 mm  
Flange Connection : 15 mm to 200 mm

**NEEDLE VALVE**



For Airline or for Controlled Flow  
Low & High Pressure  
up to 2500 PSIG  
Sizes : 6mm to 40mm  
Screwed Edn / Socked End  
Stainless Steel 304 /316

**G.M. STEAM VALVE**



- Super hard mirror finish stainless steel seating.
- Teflon impregnated gland packing.



# PTFE BALL VALVES



P.T.F.E. inside the valve is resistance to the great majority of corrosive chemicals. The parts are lined through a transfer moulding process: internal surface are therefore perfectly smooth, without any surface defects, cracks or pores. The liner is non-stick and is ideal for very viscous fluids

All steel components can be also lined in conductive PTFE or PFA, whose properties of finished parts are identical to virgin material, with the additional purpose of dissipating electro-static charges through the liner. PTFE valves are concerned the forced insertion of PTFE into the steel (and the subsequent stress Relieving process) assures vacuum resistance and limits considerably the effects of gas and vapour diffusion

# P. P. BALL VALVES



## POLYPROPYLENE

### BALL VALVE ♦ STRAINER

- ♦ SIGHTGLASS ♦ VERTICAL NRV.
- ♦ P.P./H.D.P.E. PIPES & FITTINGS,
- ♦ DIAPHRAGM VALVE, ♦ FOOT VALVE
- ♦ IRRIGATION VALVE ♦ BOLTS & NUTS
- ♦ HOSE COLLAR WITH FLANGE

- Ball valves moulded on high
- Pressure moulding machine.
- Complet Contact parts from P.P.
- Straight flow without pressure drop.
- Resistant to almost every chemicals.
- Withstand temperature upto 110°C.
- Hydraulically tested upto 200 PSIG.

**shreyas**

**ENGINEERING CORPORATION**

A-46, FF, Uday Industrial Estate, Opp. Odhav Police Station,  
Odhav, Ahmedabad-382415, Gujarat, India.  
Tel.No:- 079-22874041 M.No.-: 9898701090

E-mail : valvesad1@bsnl.in Web : www.valves-india.com, www.pinchvalveindia.com

**SAY YES TO QUALITY - SAY YES TO SHREYAS**



### HYDRAULIC ACTUATORS

The compact, double acting hydraulic actuator is designed for applications where high closing forces are required (high operating pressure or large valve diameters). Actuators can be equipped with a pilot operated check valve for fail-safe function.

Hydraulic actuators with an integrated power unit are electrically driven stand-alone hydraulic units. The need for hydraulic piping is eliminated as they are mounted directly on the valve.

### THE WATER HYDRAULIC ACTIATOR

This actuator are best suited for applications where extreme cleanliness is required and the use of hydraulic oil is unacceptable.



P.No.	Nomenclature	Material
1.	Upper Body	Cast Iron
2.	Lower Body	Cast Iron
3.	Rubber Sieve	Neoprene Rubber
4.	Upper Gate	Cast Iron
5.	Lower Gate	Cast Iron
6.	Spindle Clamp	C.S.
7.	Stud	M.S.
8.	Guide	M.S.
9.	Stud Nut	M.S.
10.	Spindle	SS 410
11.	Check Nut	Cast Iron
12.	Hand Wheel Nut	M.S.
13.	Hand Wheel	Cast Iron

Size	NB	L	D	Wt. Kg.
25	25	115	121	7
40	40	152	140	10
50	50	195	165	14
65	65	222	185	21
80	80	260	203	26
100	100	310	229	35
150	150	412	305	76
200	200	527	368	134
250	250	640	432	195
300	300	760	480	290
350	350	925	533	390

ALL DIMENSION ARE IN MM.

**shreyas**

PERFORMANCE PACKED VALVES



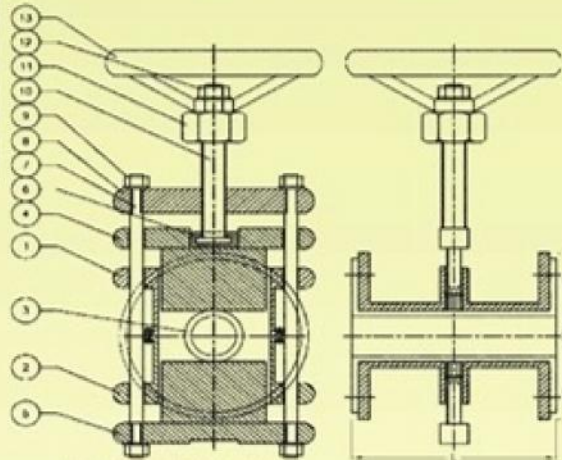
### THE PNEUMATIC ACTUATOR

This actuator are ideal for high force applications with limited space.

DUAL COMBINATION OF AUTO & MANUAL PINCH VALVES ALSO AVAILABLE :-

- Hydraulic & Manual
- Pneumatic & Manual

The pneumatic motor driven actuator is ideal for high force applications with limited space.



ALL DIMENSION ARE IN MM.

## PINCH VALVES FOR EVERY NEED

SERVING INDUSTRY WITH QUALITY PINCH VALVES

**shreyas**

PERFORMANCE PACKED VALVES



MANUAL



CLOSE BODY



PNEUMATIC



HYDRAULIC



MANUAL & PNEUMATIC COMBO



AIR PINCH

• POWER PLANT • MINING • WASTER WATER • CHEMICAL PROCESS • PHARMACEUTICALS



**WORLD CLASS PINCH VALVES MANUAL & AUTO AT YOUR DOOR STEP**

THIRTY YEARS experience in producing quality valves, with 100% satisfied customers. We manufacture with multiple design such as.

● Close body	● Open sleeve lightest weight
● Open body	● Polypropylene fabricated body light weight
● Split body	● Air pinch design

**DRIVES**

● Manual	● Combo of Pneumatic & Manual
● Pneumatics	● Combo of Hydraulic & Manual
● Hydraulic	● I/P Convertor/Positioner 4-20MA
● Electrical	● Air Pressure Direct

- Size - 15mm to 400 mm
- Pressure Max - upto 40 bar
- Delivery - Ready stock or earliest.

**PINCH SLEEVES** Sleeve in the pinch valve is the heart of the valve. We have adopted complete standardized process, required for elastomer technology. **PULLING LUGS & REINFORCEMENT** - Most sleeves have pulling lugs with four ply nylon reinforcement. These pulling lugs provide fail safe design, for valves which are normally closed for extended periods or valves working under vacuum.

**SLEEVES AVAILABLE IN DIFFERENT MATERIAL AS UNDER**

NEOPRENE	HYPALONE	EPDM	BUTYL
VITON	SANTOPRENE	SILICON	PURE GUM / NATURAL
SOFT-N-TUFF	FOOD GRADE		

**APPLICATIONS**

Chemicals, Alkaline Mixtures Acids	Vacuum
Slurries & Inter mediates liquid foods	Sewage Plants
Thermal Power Stations Water Containing Ash.	Pulp & Paper
Acid & Chemical Tankers	Gases
Textiles Industry	Sludge's
Mining & Cement Industry	Granules
Dry Suspension	Water Treatment Plant
Powder Collectors	Refineries, Fertilizers
Pharmaceuticals - Picklings	Iron Ores / Mines



**Ruff-N-Tuff Series Pinch Valve**

**MINING / FLY ASH / CEMENT / SAND HANDLING**

Introducing Ruff-N-Tuff series pinch valve for mining industries - pressure upto 40 bar with Soft-N-Tuff sleeves - used in.

Fly Ash & Sand	Copper / Nickle	Granules
Iron Ore / Non Ferrous Mines	Marbles & Granites	Sewage & Pollution Plants
Gold & Silver Mines	Coal Mines	Salt Industries

Special designed super weir resistant high elasticity and long life, sleeve is a combination of synthetic/pure gum/softtech polymers, Reinforced when required.

**Features of Soft n Tuff sleeve for Ruff n Tuff series pinch valve.**

Highly flexible	High pressure upto 40 bar
Super gliding flow path	Long life (5 time more than conventional rubber)

**AIR PINCH VALVES FOR SILOS-HOPPER**



**Areas of application :** The pinch valve is used with the pneumatic filling of silos/fly ash tankers. The valve closes by using air/fluid supplied to valve body. The specially designed sleeve will than close 100% Max. Operating pressure: upto 8 bar (depending on valve diameter).

**Function :**

When filling a silo pneumatically the bulk material is blown air pressure through the filling tube into the silo. The plain pipe profile guarantees high conveying performance and low wear. the pinch valve will be closed from without by the increase of pressure on the membrane. Differential pressure of 2 Bar max are required which closes the membrane in a safe way.

MATERIAL/DESIGN	TECHNICAL DATA
Body C.I./C.S./SS /Alluminium	Operating Pressure & Temperature 4 to 10 Bar Temp Max 90°C
Membrane Rubber / Soft-N-Tuff	Regulating Pressure Differential pressure of 2 Bar max are required which closes the membrane Max. Operating Pressure 8 Bars
Regulating Pressure Supply 1/4"	Connecting Flange ASA, B.S.,DIN, PN10 or Any

