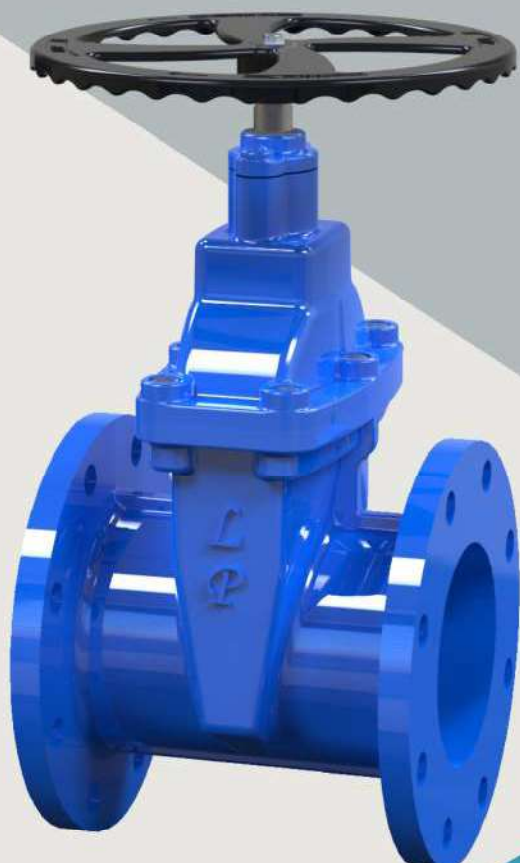




VALVES
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LP PRODUCT CATALOGUE



**OUTSTANDING
AND RELIABLE**

**INDIAN
BRAND**

PERFECT VALVES PVT. LTD. JALANDHAR PUNJAB

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C.I./D.I. SLUICE VALVE FLANGED ENDS NON RISING STEM

Introduction:

A gate valve, also known as a sluice valve, is a valve which opens by lifting a round gate/wedge out of the path of the fluid. The distinct feature of a Sluice valve is the sealing surfaces between the gate and seats are planar, so Sluice valves are often used when a straight-line flow of fluid and minimum restriction is desired. The gate faces can be parallel, but are most commonly wedge-shaped.

Specification & Features:

- Combination of excellent design features of reputed overseas valve brands.
- Rigid and sturdy design with minimum loss of head across the valve.
- Perfect interchangeability of components.
- Assured parallelism between side flanges.
- Assured equal taper between wedge faces.
- Perfect machining and pressing of body wedge rings.
- Excellent finish on spindle thread resulting in low friction and smooth operation of valves.
- Long service life and leak-tightness even after thousands of open/ close cycle.

Applications:

Design Standard IS:14846 PN1.0 & PN1.6.

Flanged Ends, Bolted Bonnet, Inside Screw, Non Rising Stem,
Handwheel Operated.



HYDRO TEST DETAIL

DN	50~600	
NOMINAL PRESSURE MPa	1.0 MPa	1.6 MPa
SHELL TEST MPa	1.5 MPa	2.4 MPa
SEAT TEST MPa	1.1 MPa	1.76 MPa
WORKING TEMPERATURE	<80 °C	
MEDIUM	Water, Waste Water	
MATERIAL	Cast Iron/Ductile Iron	

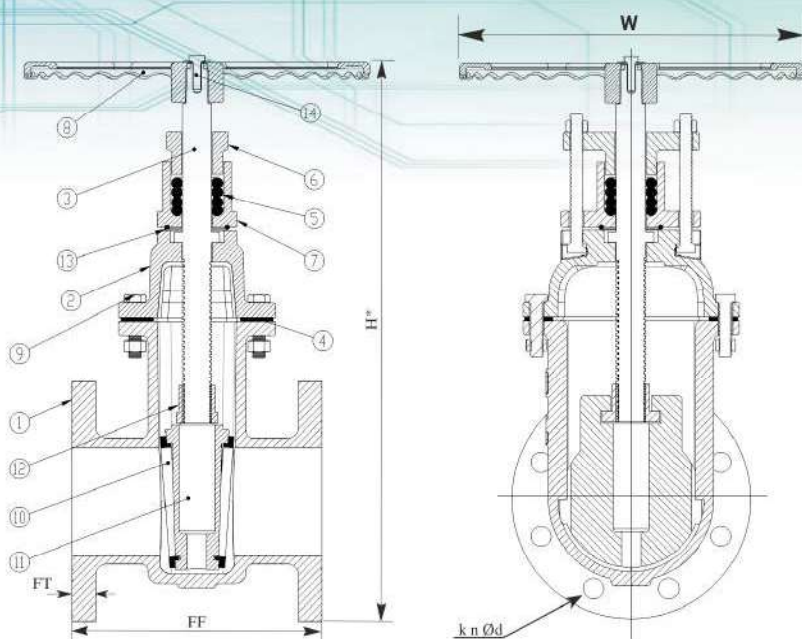


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C.I./D.I. SLUICE VALVE FLANGED ENDS NON RISING STEM

Materials of Construction:

S.No.	PART NAME	Nos. Off	MATERIAL
1.	BODY	1	C.I./D.I
2.	BONNET	1	C.I./D.I.
3.	STEM	1	13% Cr.
4.	GASKET	1	EPDM
5.	BODY SEAT RING	4	NBR
6.	STUFFING BOX	1	C.I./D.I.
7.	HANDWHEEL	1	C.I./D.I.
8.	BOLT & NUTS	1	D.I./M.S.Fab
9.	BRONZE RING	-	CARBON STEEL
10.	WEDGE	4	LTB-2
11.	WEDGE NUT	1	C.I./D.I.
12.	RING	1	LTB-2
13.	BOLT & WASHER	1	NBR
14.	BOLT	1	CARBON STEEL



Colour Available:



k = P.C.D
n = No. of Holes
Ød = Dia. of Holes
H* = Height

Size/ Dimensions

Inches	MM	FF	ØFD	FT	K	n-Ød	H*	W _{PN10}	W _{PN16}
2"	50	178	165	16	125	4-19	365	225	280
2½"	65	190	185	16	145	4-19	380	225	280
3"	80	203	200	21	160	4-19	425	225	280
4"	100	229	220	22	180	8-19	470	320	360
5"	125	254	250	22.5	210	8-19	485	320	360
6"	150	267	285	23	240	8-23	595	320	360
8"	200	292	340	24.5	295	8-23	725	360	450
10"	250	330	395	26	350	12-23	835	400	640
12"	300	356	445	27.5	400	12-23	910	400	640
14"	350	381	505	29	460	16-23	1020	500	640
16"	400	406	565	30	515	16-28	1110	640	730
18"	450	432	615	32	565	20-28	1200	720	800
20"	500	457	670	33	620	20-28	1300	720	800
24"	600	508	780	36	725	20-31	1500	720	800





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C.I./D.I. DAMPER BUTTERFLY VALVE

Specifications & feature:

100% Leak Tight Design.
Compact Design to Facilitate Installation.
Low Torque.

Applications:

Paper & Pulp Industry, Waste & effluent Treatment Plants,
Water Treatment, Chemical & Sugar Industry, Fire fighting,
Drilling Rig, Heating & Air Conditioning, Cooling Water Circulation,
Compressed Air, Civil Constructions & numerous
other applications.

Design standard: IS-13095, BS-5155



ARTICLE NO. : LPV 1001,1003,1005

HYDRO TEST DETAIL

DN	40~200	
NOMINAL PRESSURE MPa	1.0 MPa	1.6 MPa
SHELL TEST MPa	1.5 MPa	2.4 MPa
WORKING TEMPERATURE	<80 °C	
MEDIUM	Water, Air	
MATERIAL	C.I./D.I.	
PNEUMATIC SEAT TEST	0.7 MPa	



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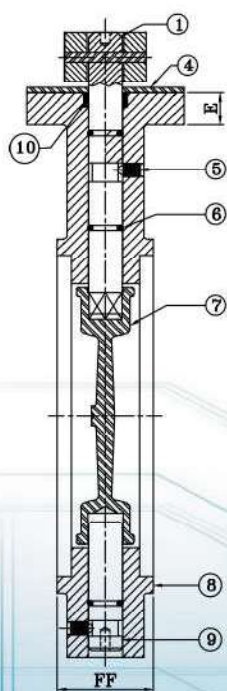
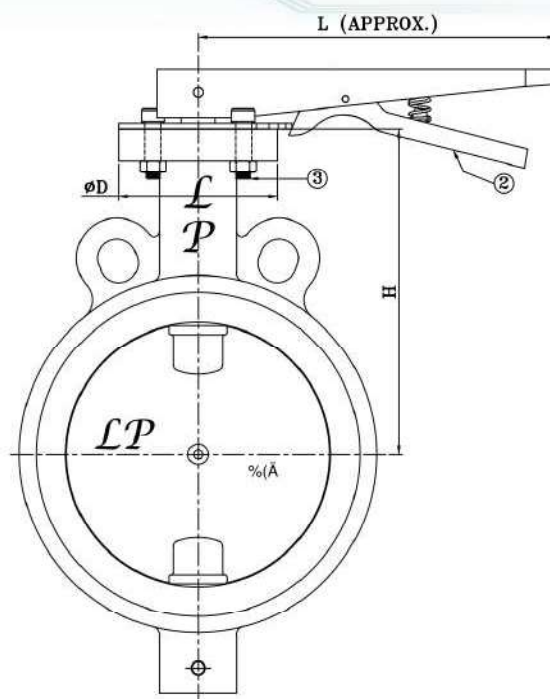


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C.I./D.I. DAMPER BUTTERFLY VALVE

Materials of Construction:

S.No.	PART NAME	Nos. Off	MATERIAL
1.	BODY	1	C.I./D.I.
2.	RUBBER LINER	-	EPDM/NITRILE
3.	LOWER SPINDLE	1	13%Cr.
4.	DISC	1	D.I./CF-8/CF-8M
5.	UPPER SPINDLE	1	13%Cr.
6.	PACKING BUSH	1	PTFE
7.	HANDLE ASSY.	-	C.I./D.I.
8.	LOCK PIN	1	M.S.
9.	LOCKING PLATE	1	M.S.
10.	ALLEN BOLTS & NUTS	2 EACH	S.S.
11.	O- RING	3	NBR
12.	GRUB SCREW	2	M.S.



Size/ Dimensions

Inches	mm	FF+2	ØB	C (P.C.D.)	ØD	H	H1	L
1½"	40	33	40	50	65	109	30	177
2"	50	43	51	50	65	128	30	177
2½"	65	46	65	50	65	144	30	177
3"	80	46	81	50	65	148	30	177
4"	100	52	103	50	65	166	30	177
5"	125	56	125	70	90	192	30	265
6"	150	56	153	70	90	206	30	265
8"	200	60	201	70	90	235	30	265



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C.I./D.I. DUAL PLATE CHECK VALVE

Specifications & Features:

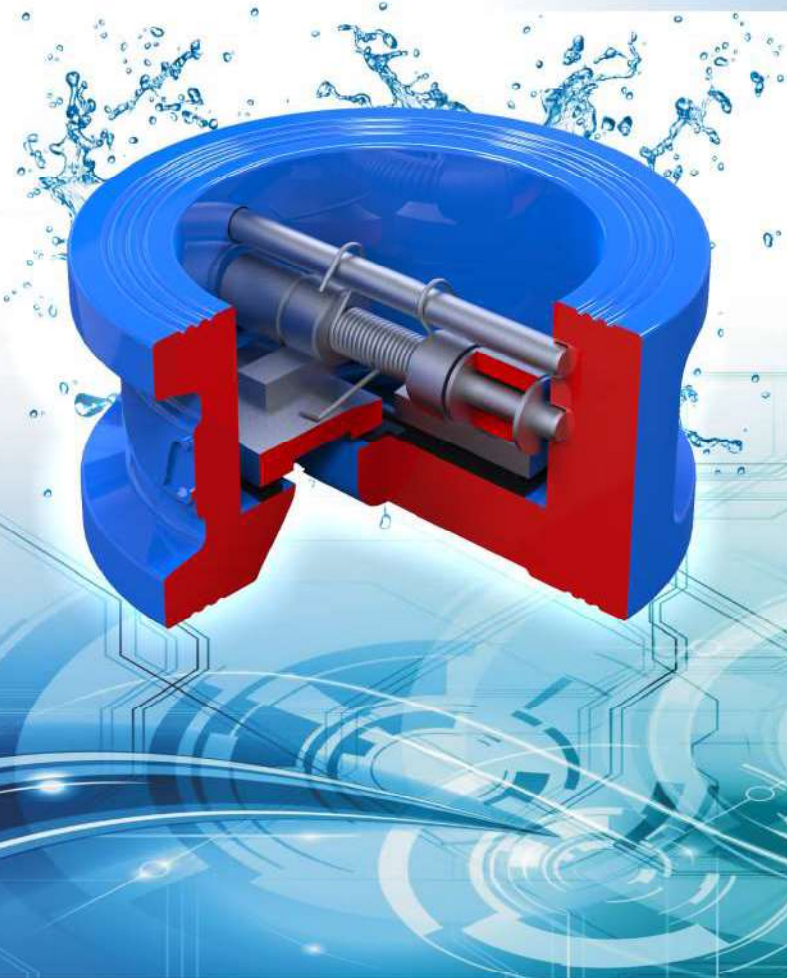
Rigid & Sturdy design with minimum loss of head across the valve.
Perfectly flat seating surfaces for good sealing.
Preventing entry of foreign body to pump through suction pipe.
Long service life.

Applications:

Water Supply System, Fire Water System, Cooling Water,
Chilled/Hot Water System, Boiler Feed Water,
Sea Water, Portable Water, Raw Water etc.



ARTICLE NO. : LPV 1033,1034



HYDRO TEST DETAIL

DN	40~400	
NOMINAL PRESSURE MPa	1.0 MPa	1.6 MPa
SHELL TEST MPa	1.5 MPa	2.4 MPa
SEAT TEST MPa	1.1 MPa	1.76 MPa
WORKING TEMPERATURE	<80 °C	
MEDIUM	Water	
MATERIAL	C.I./D.I.	
PNEUMATIC SEAT TEST	0.7 MPa	

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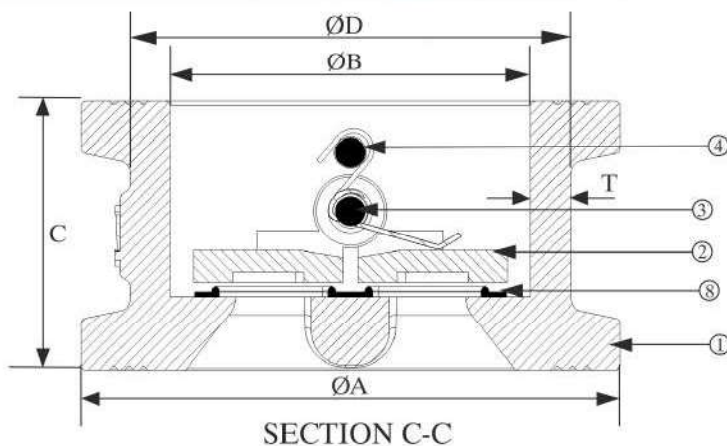


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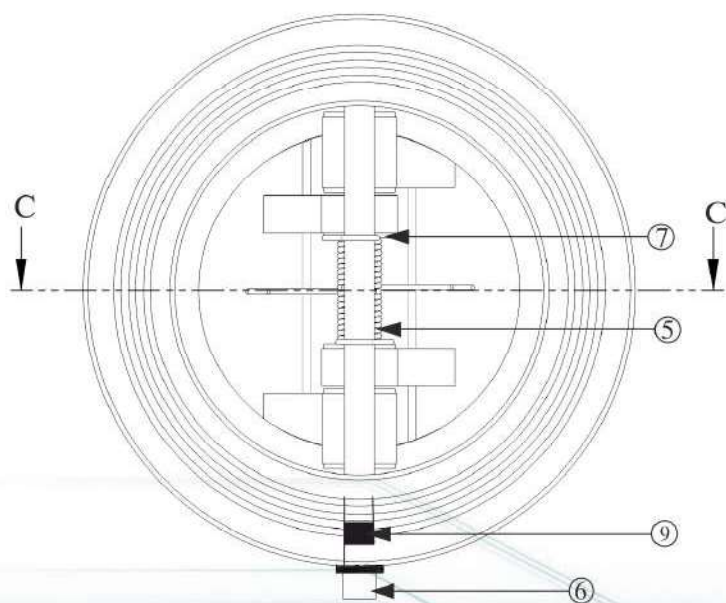
C.I./D.I. DUAL PLATE CHECK VALVE

Materials of Construction:

S.No.	PART NAME	Nos. Off	MATERIAL
1.	BODY	1	C.I.
2.	DISC	2	S.S./M.S.
3.	HINGE PIN	1	S.S.
4.	STOP PIN	1	S.S.
5.	SPRING	2	S.S.
6.	RETAINER	2	S.S.
7.	WASHER	-	S.S.
8.	SEAT	1	NITRILE/EPDM
9.	SEAT PLUG	2	NITRILE/EPDM



Colours Available



Size/ Dimensions

Inches	mm	ØA	ØB	ØC	ØD	T
1½"	40	84	60	53.5	76	8
2"	50	97	60	54.5	76	8
2½"	65	110	73.8	54	90	8
3"	80	130	88	57	106	9
4"	100	160	113.8	65	134	10
5"	125	194	139.8	71	164	12
6"	150	213	166.7	78	195	14
8"	200	270	218.7	95.5	258	19.5
10"	250	333	273.7	109.5	320	23
12"	300	381	324	143	370	23
14"	350	447	374	184	430	28
16"	400	511	424	191	490	33



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C.I./D.I. REFLUX VALVE (NRV)

Specifications & Features:

Design Ref.: IS:5312.
Self operative swing type design.
Designed to allow maximum flow of water.
Bye pass arrangement can be provided.
Renewable seat with integrally moulded rubber liner.
Flanged ends Bolted Cover.
Renewable Seat with Rubber Flap.

Applications:

Suitable for Water & Oil.

Colour Available:



HYDRO TEST DETAIL

PN RATING	TEST FOR	TEST PRESSURE MPa
PN 1.0	BODY	1.5
	SEAT	1.0
PN 1.6	BODY	2.4
	SEAT	1.6

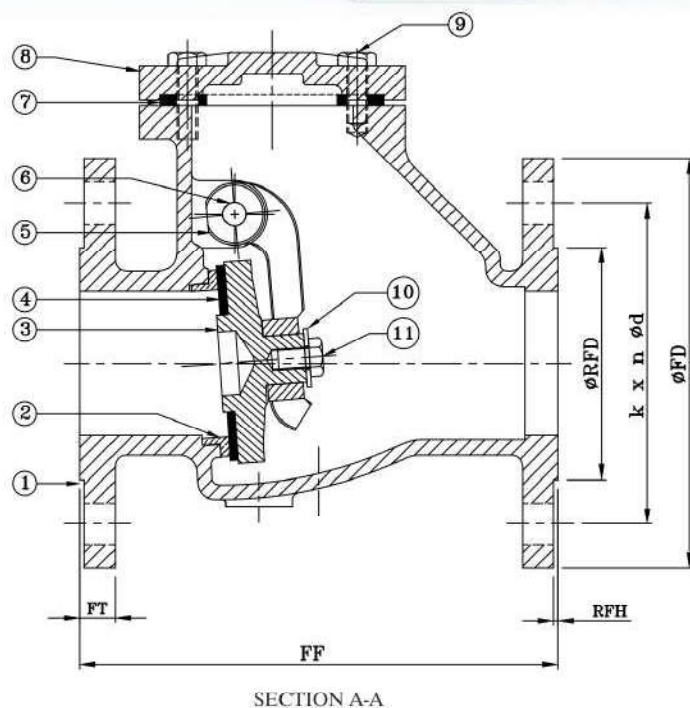


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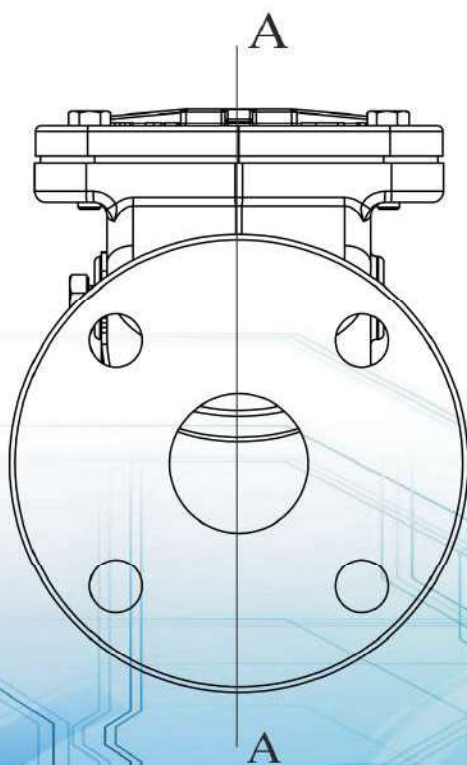
C.I./D.I. REFLUX VALVE (NRV)

Materials of Construction:

S.No.	PART NAME	Nos. Off	MATERIAL
1.	BODY	1	C.I./D.I.
2.	SEAT RING	1	LEADED TIN BRONZE
3.	DISC	1	C.I./D.I.
4.	DISC SEAT	1	EPDM
5.	HINGE	1	C.I./D.I.
6.	HINGE PIN	1	S.S.
7.	GASKET	1	EPDM
8.	COVER	1	C.I./D.I.
9.	BOLTS	AS PER SIZE	S.S.
10.	WASHER	1	M.S.
11.	DISC BOLT	1	C.S.



k = P.C.D.
 n = Nos. Off Holes
 ϕd = Dia. Of Holes



Size/ Dimensions

INCHES	MM	FF	ØFD	FT	ØRFD	RFH	K	n-Ød
2"	50	203	165	19	99	3	125	4-19
2½"	65	216	185	19	118	3	145	4-19
3"	80	241	200	21	133	3	160	4-19
4"	100	292	220	22	153	3	180	8-19
5"	125	330	250	22.5	183	3	210	8-19
6"	150	356	285	23	209	3	240	8-23
8"	200	495	340	24.5	264	3	295	8-23
10"	250	622	395	26	319	4	350	12-23
12"	300	698	445	27.5	367	4	400	12-23
14"	350	787	505	29	427	4	460	16-23
16"	400	914	565	30	477	4	513	16-28
18"	450	978	615	32	527	4	565	20-28
20"	500	978	670	33	582	4	620	20-28
24"	600	1295	780	36	682	5	725	20-31



SINGLE WAFER CHECK VALVE

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Specifications & Features:

Light Weight.
Easily Installed.
Bonded Resilient seat option.
Extremely Compact.
Tight Shut-Off.
Radiography clear disc and
Shaft is welded for best strength.
Economical.
One moving Part.
Low maintenance.
Interchangeable disc design.

Applications:

Wafer check Valve suitable for
Water and Oil.



ARTICLE NO. : LPV 1031,1032



EXPLODE VIEW

HYDRO TEST DETAIL

DN	25~400	
NOMINAL PRESSURE MPa	1.0 MPa	1.6 MPa
WORKING TEMPERATURE	20°C to 200°C	
MEDIUM	Water	
MATERIAL	Mild Steel	
PNEUMATIC SEAT TEST	0.7 MPa	

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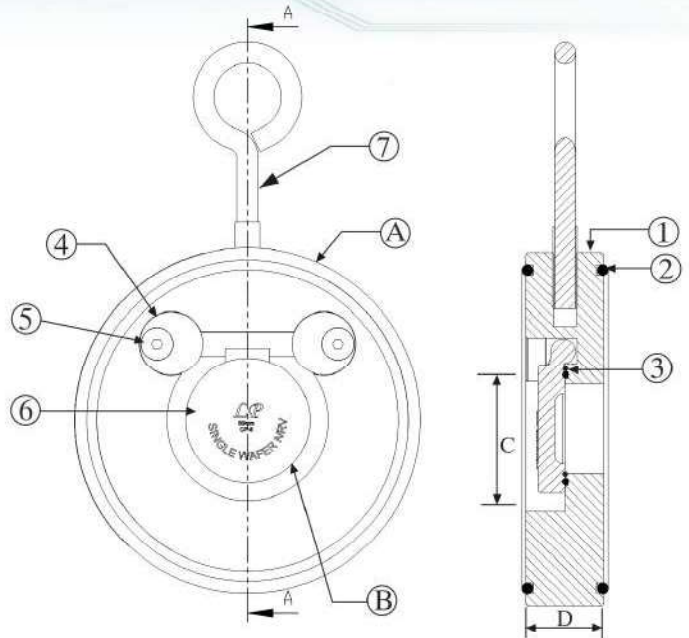


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SINGLE WAFER CHECK VALVE

Materials of Construction:

S.No.	PART NAME	Nos. Off	MATERIAL
1.	BODY	1	M.S.
2.	OUTER RING	2	EPDM
3.	INNER RING	1	EPDM
4.	WASHER	2	S.S.
5.	SCREW	2	S.S.
6.	DISC	1	S.S./M.S.
7.	I-BOLT	1	M.S.



SECTION A-A

Size/ Dimensions

Inches	mm	A	B	C	D
1	25	69	21	14	16
1 1/4	32	73	26	18	16
1 1/2"	40	86	32	22	19
2"	50	97	41	30	19
2 1/2"	65	110	50	40	19
3"	80	130	62	50	19
4"	100	160	84	70	19
5"	125	192	107	92	19
6"	150	216	128	112	19
8"	200	273	172	157	28
10"	250	336	213	195	28
12"	300	385	250	230	31
14"	350	445	310	275	40
16"	400	496	352	320	40





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FORGED BRASS BALL VALVE SCREWED ENDS

Specifications & Features:

- * Screwed Female Ends to IS 554 / BS 21 / ISO 7.
- * Full Bore, Two Piece Design.
- * Quarter Turn, Lever Operated.
- * Body, Connector Provided with Forged Brass Nickle Plating.
- * Ball Provided with Forged Brass Hard Chrome Plated .
- * Premium Quality PTFE Gland Packing and Seating.



ARTICLE NO. : LPV 1062



TESTING & CERTIFICATION:

Shell : 25 kg/cm²g (350 psig)
Seat : 16 kg/cm²g (225 psig)
Maximum Working Temperature : 220°C

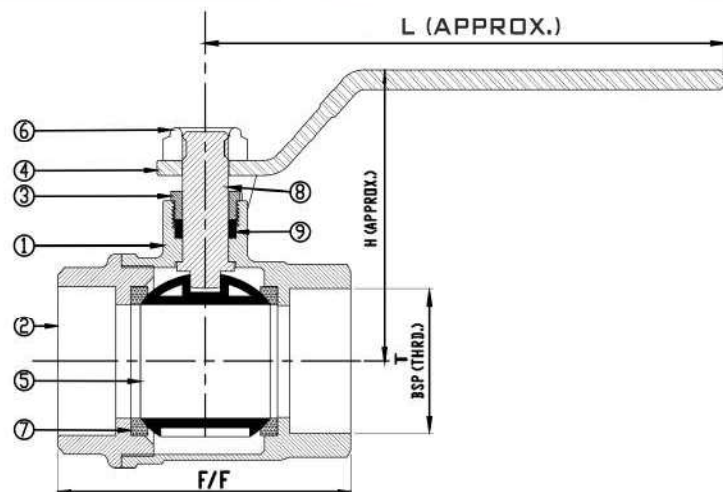


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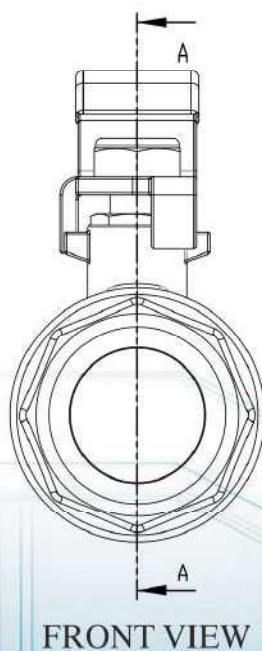
FORGED BRASS BALL VALVE SCREWED ENDS

Materials of Construction:

S.No.	PART NAME	Nos. Off	MATERIAL
1.	BODY	1	IS 6912 Gr. FLB
2.	CONNECTOR	2	IS 6912 Gr. FLB
3.	GLAND NUT	1	IS 6912 Gr. FLB
4.	LEVER	1	M.S. (Powdercoated)
5.	BALL	1	IS 6912 Gr. FLB
6.	LOCK NUT	1	IS 6912 Gr. FLB
7.	SEAT RING	1	BS EN 12086 - 1
8.	STEM	1	IS 6912 Gr. FLB
9.	GLAND PACKING	1	BS EN 12086 - 1



(SECTION A-A)



Size/ Dimensions

Inches	mm	F/F	H	L	T
1/2	15	55.5	50.5	102	13
3/4	20	64.5	58.5	112	20
1	25	76	62.5	124	24
1 1/4	32	88	86.5	171	30
1 1/2"	40	96	92	188	38
2"	50	111	101	198	48