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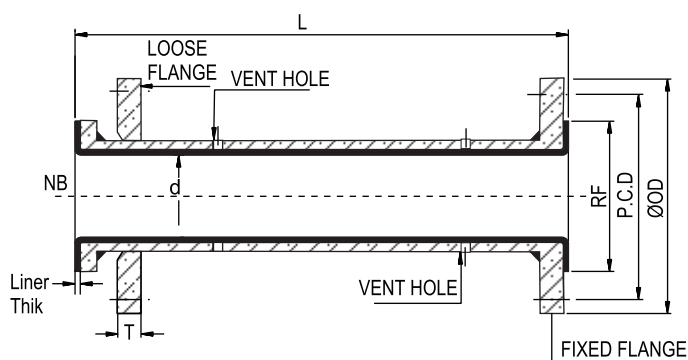
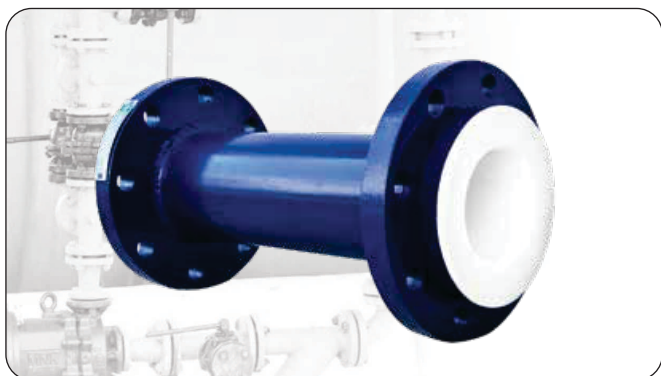
**FLUOROPOLYMERS
LINED PIPES
FITTINGS
& VALVES**



**VINYL POLYMER
INDUSTRIES**



PTFE LINED PIPE SPOOL



Size (mm)	d NB (±1 mm)	PTFE Liner Thickness (mm)	ØOD	PCD Dia (mm)	Flange Hole Dia (mm)	RF (mm)	T	Maxi. Length (mm)
25	19.5	3.3	108.0	79.4	15.9	51	12.7	3000
40	34.5	3.3	127.0	98.4	15.9	73	15.8	3000
50	45.9	3.3	152.4	120.6	19.0	92	17.5	3000
80	71.3	3.3	190.5	152.4	19.0	127	22.2	3000
100	94.6	3.8	228.0	190.5	19.0	157	22.2	3000
150	145.8	4.5	279.4	241.3	22.2	216	23.9	3000
200	192.7	5.0	343.0	298.4	22.2	270	27.0	3000
250	242.5	6.0	406.0	362.0	25.4	324	28.6	3000
300	292.8	6.0	485.0	431.8	25.4	381	30.2	3000

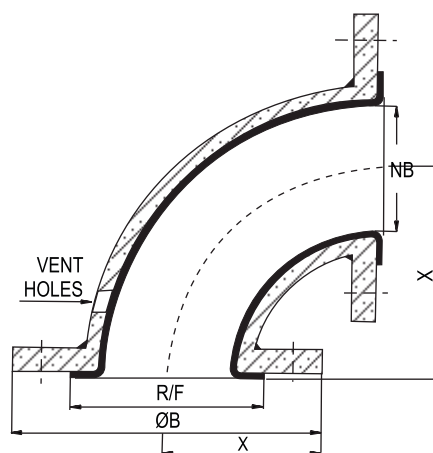
Specification

Pipe : Carbon Steel ASTM A 106, Grd B, Sch. 40
 Flange : IS 2062 plates / ASTM A 105
 Lining : PTFE ASTM D 1497

Test Pressure

Body : 28 kg cm²
 Spark Test : At 15 KVDC after lining

PTFE LINED 45° / 90° BENDED (ELBOW)



Size (mm)	NB (mm)	Center Line to face (X) (mm)	Raised Face Dia (R/F) (mm)	Liner Thickness (mm)
25	19.8	89	51	3.3
40	34.5	102	73	3.3
50	45.9	114	92	3.3
80	71.3	140	127	3.3
100	94.6	165	157	3.8
150	145.8	203	216	4.5
200	192.7	229	270	5.0
250	242.5	279	324	6.0
300	292.8	305	381	6.0

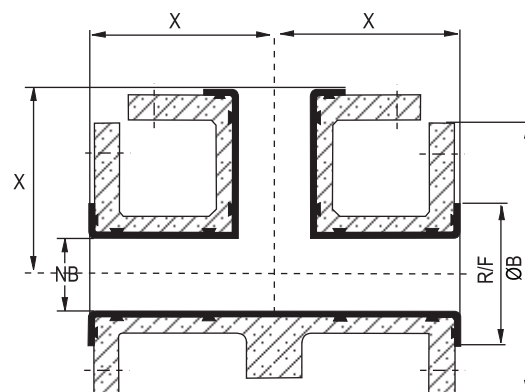
Specification

Pipe : Carbon Steel ASTM A 106, Grd B, Sch. 40
 Flange : IS 2062 plates / ASTM A 105
 Lining : PTFE ASTM D 1497

Test Pressure

Body : 28 kg cm²
 Spark Test : At 15 KVDC after lining

LINED EQUAL TEES



Size (mm)	NB (mm)	Center Line to face (X) (mm)	Flange OD (ØB) (mm)	Raised Face Dia (R/F) (mm)	Lining Thickness (mm)
25	19.8	89	108.0	51	3.3
40	34.5	102	127.0	73	3.3
50	45.9	114	152.4	92	3.3
80	71.3	140	190.5	127	3.5
100	94.6	165	228.6	157	4.5
150	145.8	203	279.4	216	5.0
200	192.7	229	342.9	270	6.0
250	242.5	279	406.4	324	6.0
300	292.8	305	482.6	381	6.0

Specification

Body : Carbon Steel ASTM A 216, Grd, WCB
: ASTM A 351, Grd CF8

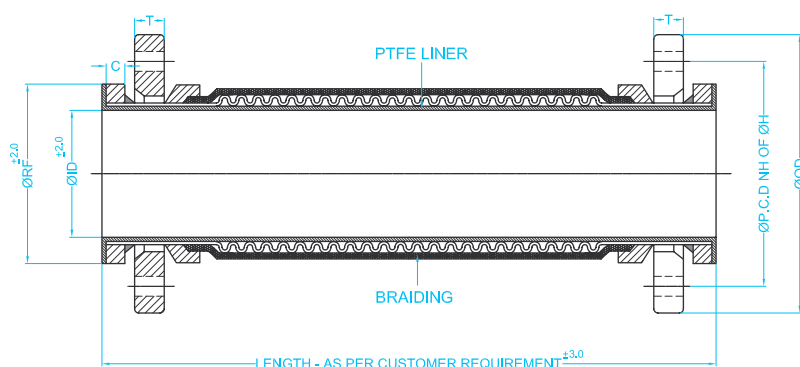
Flange : ANSI B 16.5 150 Class (As per required)

Lining : FEP / ASTM D 2116
: PFA / ASTM D 3307
: PTFE / ASTM D 1497

Test Pressure

Body : 28 kg cm²
Spark Test : At 15 KVDC after lining

HOSE PIPE



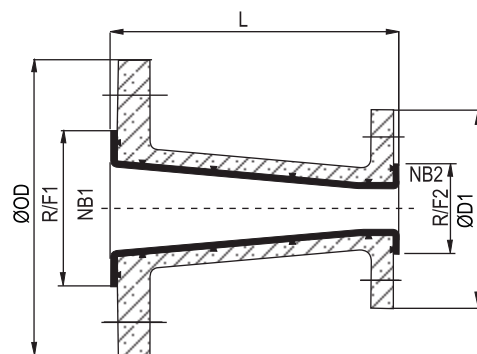
Pipework (NB)		ØOD	ØID	ØRF	ØP.C.D	NH	ØH	T	Length	Lining Thk.
Inches	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1"	25	108.0	22.0	51.0	79.4	4	16	14.3	200 - 6000	3.5
1.1/2"	40	127.0	37.0	73.0	98.4	4	16	17.5	200 - 6000	3.5
2"	50	152.4	50	92.0	120.6	4	19	19.0	200 - 6000	3.5
2.1/2"	65	177.8	57.5	105.0	139.7	4	19	22.2	200 - 6000	3.5
3"	80	190.5	73.0	127.0	152.4	4	19	23.8	200 - 6000	4.0
4"	100	228.6	97.0	157.0	190.5	8	19	23.8	200 - 6000	4.0

Item Des.	Material
Lining	PTFE
Hose Pipe	SS 304, SS 316, SS 316L
Braiding	SS 304, SS 316, SS 316L
Flange	SS 304, SS 316, SS 316L ASME B 16.5 - Cls. 150, Cls. 300, Cls. 600
Flange Rating	BS 10 - Table D, Table E, Table F, Table H, Table J, & Table K Din Standard - PN 6, PN 10, PN 16, PN 25 PN 40

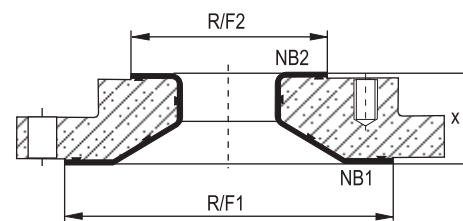
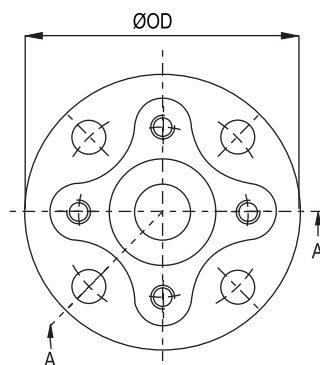
Testing Specification

- 1) 100% Visual Check / Dimensional Check
- 2) 100% Hydro Test at 29.9 kg/cm²(g) for holding time of 3 Mins. as per ASTM F 1545 - 15A
- 3) 100% Spark Test at 10 kv after Lining
- 4) 100% Lining Thk. to be checked.

LINED CONCENTRIC / ECCENTRIC REDUCERS



LINED REDUCING FLANGE



Nominal Bore		QOD	R/F 1	ØD1	R/F 2	Face to Face (L)	Lining Thickness	Face to Face (X)
Size (mm)	Size (mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
40	25	127.0	73	108.0	51	114	3.3	35
50	25	152.4	92	108.0	51	127	3.3	35
50	40	152.4	92	127.0	73	127	3.3	35
80	25	190.5	127	108.0	51	152	3.5	45
80	40	190.5	127	127.0	73	152	3.5	45
80	50	190.5	127	152.4	92	152	3.5	45
100	25	228.6	158	108.0	51	178	4.0	45
	40	228.6	158	127.0	73	178	4.0	45
100	50	228.6	158	152.4	92	178	4.0	45
100	80	228.6	158	190.5	127	178	4.0	45
150	50	279.4	216	152.4	92	229	4.5	54
150	80	279.4	216	190.5	127	229	4.5	54
150	100	279.4	216	228.6	158	229	4.5	54
200	100	342.9	270	228.6	158	279	5.0	54
200	150	342.9	270	279.4	216	279	5.0	54
250	200	406.4	324	279.4	216	305	5.5	54
250	200	406.4	324	342.9	270	305	5.5	54
300	250	482.6	381	342.9	270	356	5.5	54
300	250	482.6	381	406.4	324	356	5.5	54

Specification

Body : Carbon Steel ASTM A 216, Grd, WCB
: ASTM A 351, Grd CF8

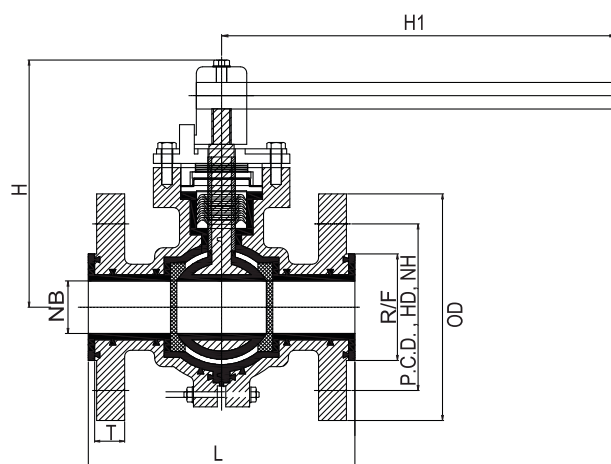
Flange : ANSI B 16.5 150 Class (As per required)

Lining : FEP / ASTM D 2116
: PFA / ASTM D 3307
: PTFE / ASTM D 1497

Test Pressure

Body : 28 kg cm²
Spark Test : At 15 KVDC after lining

PFA, FEP LINED BALL VALVE



NB Size (mm)	L	H	H1	T	OD	R/F	P.C.D	Holes Dia HD	No. of Hole NH
25	127	120	200	14.3	108	51	79.4	16	04
40	165	135	250	17.5	127	73	98.4	16	04
50	178	155	300	19	152.4	92	120.6	19	04
80	203	208	350	23.8	190.5	127	152.4	19	04
100	229	230	450	23.8	228.6	157	190.5	19	08
150	267	260	550	25.4	279.4	216	241.3	22.2	08

Specification

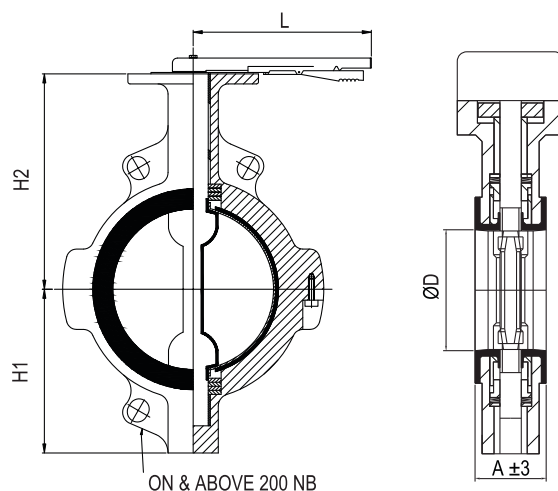
Body : Carbon Steel ASTM A 216, Grd, WCB
 : ASTM A 351, Grd CF8
 Flange : ANSI B 16.5 150 Class (As per required)

Lining : FEP / ASTM D 2116
 : PFA / ASTM D 3307
 : PTFE / ASTM D 1497

Test Pressure

Body : 15 kg cm² Seat : 11 kg cm²
 Spark Test : At 15 KVDC after lining

PFA/FEP LINED BUTTERFLY VALVE



VALVE (NB)	F/F	H1	H2	L	ØD
50	51	95	150	260	50
80	54	120	170	260	75
100	60	130	195	260	100
150	64	190	425	240	150
200	70	200	465	240	200
250	80	250	565	275	250
300	90	295	600	275	300

Testing Standard : ISO9393-2 /
 API598 / BS EN 12266-1 : 2003
 Body : 15 kg cm² Seat : 11 kg cm²
 Pneumatic Test : 7 kg cm² Air Pressure
 Spark Test : At 15 KVDC after lining

Manufacturing Standard

Design : API 609 Wafer Type
 Face to Face : API 609 Category 'A'

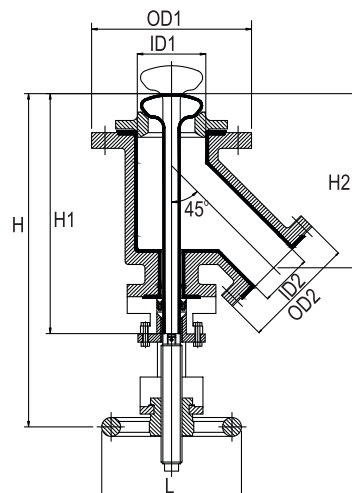
Material Specification

Body/ Disc : Carbon Steel ASTM A 216, Grd, WCB
 : ASTM A 351, Grd CF8
 Flange : ANSI B 16.5 150 Class (As per required)

Lining Specification

: FEP / ASTM D 2116
 : PFA / ASTM D 3307
 : PTFE / ASTM D 1497

PFA/FEP LINED FLUSH BOTTOM VALVE



VALVE SIZE (NB)	L	H	H2	OD1	OD2	PCD	T	Hole (Ø) Nos.
50 X 25	150	220	100	152	108	120.7	17.5	19 X 04
80 X 50	200	430	160	190	152	152	22.2	19 X 04
100 X 80	200	500	220	230	190	190.5	22.2	19 X 08
150 X 100	250	600	320	306	230	241	24	22 X 08

Specification

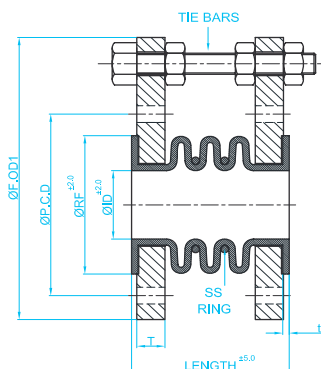
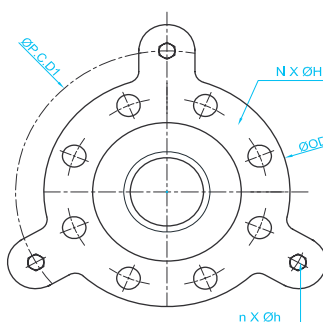
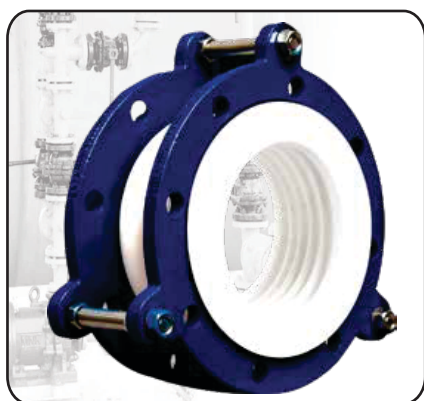
Body : Carbon Steel ASTM A 216, Grd, WCB
 : ASTM A 351, Grd CF8
 Flange : ANSI B 16.5 150 Class (As per required)

Lining : FEP / ASTM D 2116
 : PFA / ASTM D 3307
 : PTFE / ASTM D 1497

Test Pressure

Body : 15 kg cm² Seat : 11 kg cm²
 Spark Test : At 15 KVDC after lining

PTFE BELLOW



Nominal Bore (NB)	ØOD	ØID	ØRF	ØP.C.D	N x ØH	T	ØP.C.D1	n x ØH	ØOD1	t	LENGTH
Inches mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1" 25	108.0	19.0	51.0	79.4	4 x 14	10	129.0	3 x 10	155.0	2	50.0
1.1/2" 40	127.0	34.0	73.0	98.4	4 x 14	10	148.0	3 x 10	174.0	2	55.0
2" 50	152.4	45.0	92.0	120.6	4 x 18	12	180.0	3 x 12	209.0	3	70.0
3" 80	190.5	69.0	127.0	152.4	4 x 18	12	218.0	3 x 12	247.0	4	100.0
4" 100	228.6	92.0	157.0	190.5	8 x 18	14	256.0	3 x 12	285.0	4	100.0
6" 150	279.4	145.0	216.0	241.3	8 x 20	16	313.0	3 x 14	348.0	5	100.0
8" 200	342.9	192.0	270.0	298.4	8 x 20	16	376.0	3 x 14	421.0	5	150.0
10" 250	406.4	246.0	324.0	361.9	12 x 23	20	445.0	3 x 14	490.0	6	150.0
12" 300	482.6	280.0	381.0	431.8	12 x 23	20	521.0	3 x 14	566.0	6	150.0

Item Des.

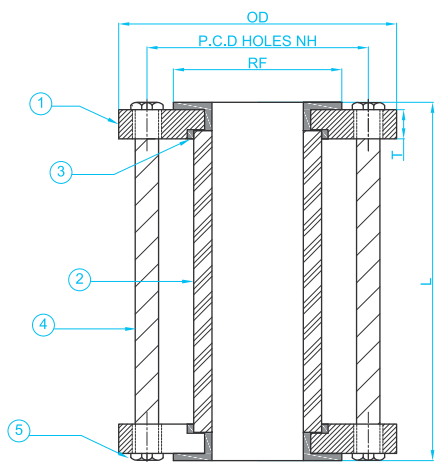
Material

Lining : PTFE
 Flange : WCB, IS 2062, SA 105N, SS 304, SS 316, SS 316L
 on/off Centres - ASME B 16.5 Cls. 150, Cls. 300, Cls. 600
 Flange Rating : BS 10 - Table D, Table E, Table F, Table H, Table J & Table K
 Din Standard - PN 6, PN 10, PN 16, PN 25, PN 40

Testing Specification

- 1) 100% Visual Check / Dimensional Check
- 2) 100% Hydro Test at 6.0 kg/cm²(g) for holding time of 3 Mins. as per ASTM F 1545 - 15A
- 3) 100% Spark Test at 10 kv after Lining
- 4) 100% Lining Thk. to be checked.

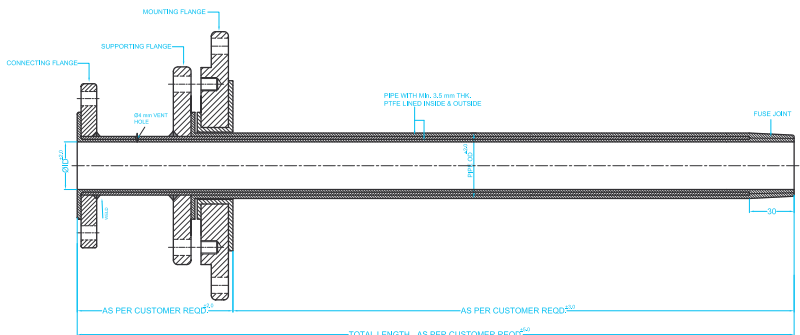
LINED FULL VIEW SIGHT GLASS



Size (NB)	L ± 3	OD ± 1	T ± 1	RF	P.C.D ± 1	Hole Dia.	No. of Holes
mm	mm	mm	mm	mm	mm	mm	mm
25	200	108	12	51	79	16	04
40	200	127	14	73	98	16	04
50	200	152	16	92	121	19	04
80	200	191	17	127	152	19	04
100	200	229	17	157	191	19	08
150	200	279	18	216	241	22	08

Sr. No.	Description	Qty.	Material
1	Body	2	M.S. IS 2062, SS 304, SS 316 + PFA, FEP, PVDF, PP, HDPE Lined Lining 3.5 mm Thk.
2	Glass	1	Toughened Borosilicate
3	Seat	2	Integral PFA, FEP, PVDF, PP, HDPE Lined
4	Stud	2	M.S. SS 304 / SS 316
5	Fasteners	-	M.S. SS 304 / SS 316

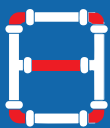
DIP PIPE



Item Des.	Material
Lining	PTFE
Pipe	ASTM A 106, Gr. B, SS 304, SS 316, SS 316L
Flange	IS 2062, SA 105N, SS 304, SS 316, SS 316L
Pipe Sch.	Sch. 10, Sch. 20, Sch. 30, Sch. 40, Sch. 60, Sch. 80, Sch. 100, Sch. 120, Sch. 140, Sch. 160
Flange Rating	BS 10 - Table D, Table E, Table F, Table H, Table J & Table K DIN Standard - PN 6, PN 10, PN 16, PN 25 & PN 40

Manufacturers of :

***PTFE / FEP / PFA / PVDF / HDPE Lined Pipes,
Fittings and Valves.***



**VINYL POLYMER
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