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VALVE SOLUTIONS**

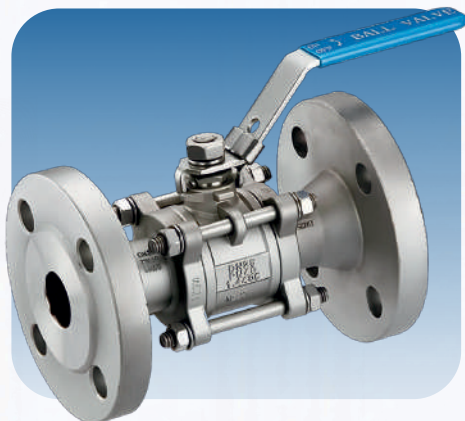


United
Accreditation
Foundation



BALL VALVES

Three Piece Design Flanged & Ball Valve



Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)
Class	: 150#/300#
Size	: 1/2" to 10" (DN15 to DN250)
End Connection	: Flanged End ASME B16.5 Class 150# / 300# / E / F Table
Material Of Composition	: WCB / CF8 / CF8M / Cast Iron
Optional	: ISO Mounted Pad, Lockable, Handle
Operation	: Lever, Gear, Pneumatic Actuator Operated

Two Piece Design Flanged & Ball Valve

Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)/12569/ API 598
Class	: 150#/300#
Size	: 1/2" to 10" (DN15 to DN250)
End Connection	: Flanged End ASME B16.5 Class 150# / 300# / E / F Table
Material Of Composition	: WCB / CF8 / CF8M / Cast Iron
Optional	: ISO Mounted Pad, Lockable, Handle
Operation	: Lever, Gear, Pneumatic Actuator Operated



Single Piece Design Flanged & Ball Valve



Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)/12569/ API 598
Class	: 150#/300#
Size	: 1/2" to 4" (DN15 to DN100)
End Connection	: Flanged End ASME B16.5 Class 150# / 300# / E / F Table
Material Of Composition	: WCB/ CF8/CF8M
Optional	: ISO Mounted Pad, Lockable, Handle
Operation	: Lever, Gear, Pneumatic Actuator Operated

Three Way Design Flanged & Ball Valve

Design & Mfg. Standard	: ISO 14313, BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)
Class	: 150#/300#
Size	: 1/2" to 4" (15MM TO 100MM)
End Connection	: Flanged End ASME B16.5 Class 150# / 300#
Material Of Composition	: WCB / CF8 / CF8M / Cast Iron
Optional	: ISO Mounted Pad, Lockable, Handle
Operation	: Lever, Gear, Pneumatic Actuator Operated



BALL VALVES

Screw End Single Piece Ball Valve



Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)
Class	: 150#
Size	: 1/4" to 4" (DN08 to DN100)
End Connection	: Screwed End Socket Weld End
Material Of Composition	: WCB / CF8/ CF8M / Cast Iron
Optional	: ISO Mounted Pad, Lockable Handle Operated

Screw End Three Piece Ball Valve

Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)
Class	: 150#
Size	: 1/4" to 4" (DN08 to DN100)
End Connection	: Screwed End Socket Weld End
Material Of Composition	: WCB / CF8/ CF8M / Cast Iron
Optional	: ISO Mounted Pad, Lockable Handle Operated



Wafer Type Ball Valve



Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)/12569/ API 598
Class	: 150#/300#
Size	: 1/2" to 4" (DN15 to DN100)
End Connection	: Flanged End ASME B16.5 Class 150# / 300# / E / F Table
Material Of Composition	: WCB/ CF8/CF8M
Optional	: ISO Mounted Pad, Lockable, Handle
Operation	: Lever, Gear, Pneumatic Actuator Operated

Flush Bottom Ball Valve

Design & Mfg. Standard	: BS EN ISO 17292 (BS 5351)
Testing Standard	: BS EN ISO 12266 (BS 6755 Part - 1)
Class	: 150#/300#
Size	: 1" to 6" (DN25 to DN150)
End Connection	: Flanged End ASME B16.5 Class 150# /300#
Material Of Composition	: WCB/ CF8/ CF8M
Optional	: Mounted Pad, Lockable Handle
Operation	: Lever, Gear, Pneumatic Actuator Operated



BUTTERFLY VALVE

Wafer Type Butterfly Valve



Design & Mfg. Standard	: BS 5155/API 609 / MSS SP-67/ EN 558-1, Series 20
Testing Standard	: BS6755-1/API 598 / AAWWA C 504-87
Class	: PN10/ PN16
Size	: 1-1/2" to 24" (DN40 to DN600)
End Connection	: Wafer Type
Material Of Composition	: Cast Iron /Cast Steel /CF8/CF8M
Optional Disc	: Cast Iron/Cast Steel / CF8/CF8M
Lining	: Nitrile, Neoprene, EPDM, Hypalon, Silicon, Viton, PTFE,
Operation	: Lever, Gear, Bare stem, Pneumatic Actuator, Electrical, Actuator Operated

Lug Type Butterfly Valve

Design & Mfg. Standard	: BS 5155/API 609 / MSS SP-67
Testing Standard	: BS 6755-1/API 598 / AWWA C- 504-87
Class	: PN10/ PN16
Size	: 2" to 16" (DN50 to DN400)
End Connection	: Lug Type
Material Of Composition	: Cast Iron Cast Steel / CF8 / CF8M
Optional Disc	: Cast Iron Cast Steel / CF8 / CF8M
Lining	: Nitrile, Neoprene, EPDM, Hypalon, Silicon,
Operation	: Lever, Gear, Bare stem, Pneumatic Actuator, Electrical Actuator Operated



Offset Butterfly Valve



Design & Mfg. Standard	: API 609, MSS SP-67
Testing Standard	: AWWA C-504-87
Class	: PN10/PN16
Size	: 1-1/2" to 12" (DN40 to DN300)
End Connection	: Wafer Type
Material Of Composition	: Cast Steel / CF8/CF8M
Optional Disc	: Cast Steel / CF8/CF8M
Lining	: PTFE/Metal to Metal Lever, Gear
Operation	: Lever, Gear, Pneumatic Actuator, Electrical Actuator Operated

Double Flanged Type Butterfly Valve

Design & Mfg. Standard	: BS 5155 / API 609, MSS SP-67
Testing Standard	: BS 6755-1/API 598/ AWWA C-504-87
Class	: PN10/ PN16
Size	: 2" to 16" (DN50 to DN400)
End Connection	: Wafer Type 150#
Material Of Composition	: Cast Iron Cast Steel / CF8/CF8M
Optional Disc	: Cast Iron Cast Steel / CF8/ CF8M
Lining	: Nitrile, Neoprene, EPDM, Hypalon, Silicon, Viton, Two Piece Stem Design
Operation	: Lever, Gear, Pneumatic Operated



GLOBE VALVES

Flange Type Globe Valve



Design & Mfg. Standard	: BS 1873 & ASME B16.34
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150# / 300# / PN10 / ND40
Size	: 1" to 16" (DN40 to DN400)
End Connection	: ASME B16.5 150# / 300#
Material Of Composition	: Cast Steel(WCB) / CF8 / CF8M

Screw End Type Globe Valve

Design & Mfg. Standard	: Manufacturer Standard
Testing Standard	: PN 1.6
Pressure Class	: PN16
Size	: 1/2" to 4" (DN40 to DN100)
End Connection	: Screwed / Flanged
Material Of Composition	: CF8/CF8M/ Gun Metal (Brass)



GATE VALVE

Flange Type Gate Valve



Design & Mfg. Standard	: API 600/ISO 10434 & ASME B16.34
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150# / 300# / PN10
Size	: 1" to 20" (DN40 to DN500)
End Connection	: ASME B16.5 150#/300#
Material Of Composition	: Cast Steel (WCB) / CF8 / CF8M/DI

Screw Type Gate Valve

Design & Mfg. Standard	: IS 778, Class-1.
Testing Standard	: PN 1.6
Pressure Class	: PN16
Size	: 1/2" to 4" (DN40 to DN100)
End Connection	: Screwed / Flanged
Material Of Composition	: CF8/CF8M/ Gun Metal (Brass)



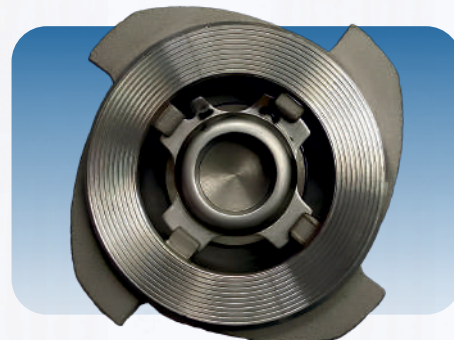
Swing Check Valve



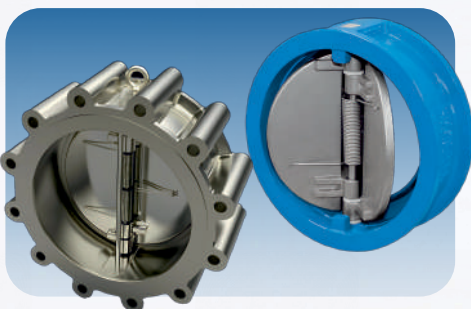
Design & Mfg. Standard	: Bs1868 & ASME B16.34 & API 6D
Testing Standard	: API 598/ISO 5208
Pressure Class	: 150# /300#
Size	: 1" to 12" (DN40 to DN300)
End Connection	: ASME B16.5 150#
Material Of Composition	: Cast Steel (WCB) / CF8/ CF8M

Disc Check Valve Wafer Type

Design & Mfg. Standard	: Manufacturer Standard
Testing Standard	: API 598/ ISO 5208
Pressure Class	: 150#
Size	: 1" to 10" (DN40 to DN250)
End Connection	: Wafer Type
Material Of Composition	: CF8/ CF8M



Dual Plate Check Valve



Design & Mfg. Standard	: API 594
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150#/300# / 600#
Size	: 1" to 12" (DN40 to DN300)
End Connection	: Wafer Type / Lug Type/ Double
Material Of Composition	: Flanged Type Cast Steel (WCB) /CF8/CF8M/ Cast Steel

Ball Type NRV

Design & Mfg. Standard	: Manufacturer Standard
Testing Standard	: API 598/ISO 5208
Pressure Class	: 150#
Size	: 2" to 10" (DN50 to DN250)
End Connection	: Flange Type 150# Screw End
Material Of Composition	: Cast Steel (WCB) / CF8 / CF8M/CI/DI



Wafer Type NRV Valve



Design & Mfg. Standard	: Manufacturer Standard
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150#
Size	: 1" to 24" (DN40 to DN600)
End Connection	: Wafer Type
Material Of Composition	: (WCB) / CF8/ CF8M/ CI

S.S. Bag Housing Filter



Design & Mfg. Standard	: Fabrication Standard
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150#
Size	: 4" to 20" (DN100 to DN500)
End Connection	: Flanged End
Material Of Composition	: CF8 / CF8M

Y-Type Strainer

Design & Mfg. Standard	: ASME B16.34/ND40
Testing Standard	: API 598/ BS EN ISO 12266-1 (BS 6755-1)
Pressure Class	: 150#/300#
Size	: 2" to 12" (DN50 to DN300)
End Connection	: Screwed End / Flanged End
Material Of Composition	: Cast Iron / Cast Steel (WCB) / CF8 / CF8M



T-Type Strainer



Design & Mfg. Standard	: ASME B16.34/ASME B16.34
Testing Standard	: API 598 / BS EN ISO 12266-1 (BS 6755-1)
Pressure Class	: 150#/300#
Size	: 2" to 24" (DN50 to DN600)
End Connection	: Flanged End
Material Of Composition	: Cast Iron / Cast Steel (WCB)/ CF8 / CF8M

Duplex Type Strainer

Design & Mfg. Standard	: MSS SP 88/ EN 558-1 Series 1
Testing Standard	: API 598/ ISO 5208
Pressure Class	: 150#
Size	: 4" to 20" (DN100 to DN500)
End Connection	: Flanged End
Material Of Composition	: Cast Steel (WCB) / CF8/CF8M



HIGH PRESSURE FORGE STEEL VALVE

Ball Valve



Design & Mfg. Standard	: API 602, BS5352, ASME B16.34
Testing Standard	: API 598
Class	: 800#/1500# /2500#
Size	: 1/2" TO 2" (DN15 to DN50)
End Connection	: Screwed End / 150#
Material Of Composition	: A105, F304, F316, F304L, AND F316L
Operation	: Lever, Pneumatic Actuator
End Connection	: NPT Screwed End, Socket Weld End, Butt weld End

Forge Steel Globe Valve

Design & Mfg. Standard	: API 602
Testing Standard	: API 598
Class	: 800#/1500# / 2500#
Size	: 1/2" TO 2" (DN15 to DN50)
End Connection	: Screwed End / 150#
Material Of Composition	: ASTM A182 Gr. A105/ASTM A
Operation	: Wheel Operated
End Connection	: NPT Screwed End, Socket Weld End, Butt weld End



Forge Steel Gate Valve



Design & Mfg. Standard	: API 602, ISO 15761, ASME B16.34
Testing Standard	: API 598
Class	: 800#/1500# /2500#
Size	: 1/2" TO 2" (DN15 to DN50)
End Connection	: Screwed End / 150#
Material Of Composition	: A105, F304, F316, F304L, AND F316L
Operation	: Wheel Operated
End Connection	: Npt Screwed End, Socket Weld End, Butt Weld End

NRV Check Valve

Design & Mfg. Standard	: API 602, ISO 17292 ASME B16.34
Testing Standard	: API 598
Class	: 800#/1500# /2500#
Size	: 1/2" TO 2" (DN15 to DN50)
End Connection	: Screwed End / 150#
Material Of Composition	: ASTM A182 GR. A105/ASTM A
End Connection	: NPT Screwed End, Socket Weld End, Butt Weld End



Diaphragm Valve



Design & Mfg. Standard	: MSS SP 88 / EN 558-1 Series 1
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150#
Size	: 2" to 8" (DN50 to DN200)
End Connection	: Screwed End / Flanged End
Material Of Composition	: Cast Iron / Cast Steel (WCB)/ CF8 / CF8M

Pinch Valve Flanged End

Design & Mfg. Standard	: MSS SP 88 / EN 558-1 Series 1
Testing Standard	: API 598 / ISO 5208
Pressure Class	: 150#
Size	: 2" to 10" (DN50 to DN250)
End Connection	: Flanged End
Material Of Composition	: Cast Iron / Cast Steel (WCB)/ CF8 / CF8M



Flush Bottom Valve



Design & Mfg. Standard	: MSS SP 88 / EN 558-1
Testing Standard	: ISO 5208
Pressure Class	: 150#/300#
Size	: 2" to 10" (DN50 to DN250)
End Connection	: Flanged End
Material Of Composition	: Cast Steel (WCB) / CF8 / CF8M

Knife Gate Valve

Design & Mfg. Standard	: MSS SP 88/ EN 558-1
Testing Standard	: API 598
Pressure Class	: 150#
Size	: 2" to 10" (DN50 to DN250)
End Connection	: Wafer Type / Lug Type
Material Of Composition	: Cast Steel (WCB) / CF8 / CF8M



SS/MS ALLEN KEY TYPE SIGHT GLASS

Dimension Table #150



Size	OD(±3)	PCD	L(±3)	ØD	N.H
15NB	90	60	170	16	4
20NB	100	70	170	16	4
25NB	108	79	170	16	4
40NB	127	98	175	16	4
50NB	152	121	175	19	4
65NB	180	140	180	19	4
80NB	191	152	180	19	4
100NB	229	191	180	19	8
150NB	279	241	190	22	8
200NB	343	298	200	22	8
250NB	406	362	220	25	12
300NB	483	432	220	25	12

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CS/CF8/CF8M/CF3M	2
2	GASKET	PTFE	2
3	GLASS TUBE	BOROSILICATE	1
4	TIE ROD	CS/CF8/CF8M/CF3M	4/8/12
5	ALLEN KEY BOLT	MS/SS 304/316/202/A2	-
6	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

SS/MS DOUBLE WINDOW TYPE SIGHT GLASS

Dimension Table #150



Size	OD(±3)	PCD	L(±3)	ØD	N.H
25NB	108	79	127	16	4
40NB	127	98	165	16	4
50NB	152	121	178	19	4
65NB	180	140	191	19	4
80NB	191	152	203	19	4
100NB	229	191	229	19	8
150NB	279	241	267	22	8
200NB	343	298	520	22	8
250NB	406	362	600	25	12
300NB	483	432	650	25	12

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	BODY	CS/CF8/CF8M/CF3M	1
2	GASKET	PTFE	2
3	GLASS TUBE	TOUGHENED GLASS	2
4	ALLEN KEY BOLT	MS/SS 304/316/202/A2	-

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	10
	PSI	140
	BAR	10

SS/MS ALLEN KEY WITH T-BUSH TYPE SIGHT GLASS



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H
25NB	108	79	175	16	4
40NB	127	98	180	16	4
50NB	152	121	180	19	4
65NB	180	140	185	19	4
80NB	191	152	190	19	4
100NB	229	191	190	19	8
150NB	279	241	205	22	8
200NB	343	298	215	22	8
250NB	406	362	215	25	12
300NB	483	432	220	25	12

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CS/CF8/CF8M/CF3M	2
2	T-BUSH	PTFE	2
3	GASKET	PTFE	2
4	GLASS TUBE	BOROSILICATE	1
5	TIE ROD	CS/CF8/CF8M/CF3M	4/8/12
6	ALLEN KEY BOLT	MS/SS 304/316/202/A2	-
7	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

MS CHECKNUT TYPE SIGHTGLASS



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H
25NB	108	79	185	16	4
40NB	127	98	190	16	4
50NB	152	121	190	19	4
65NB	180	140	195	19	4
80NB	191	152	200	19	4
100NB	229	191	200	19	8
150NB	279	241	215	22	8

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CS/CF8/CF8M/CF3M	2
2	T - BUSH	PTFE	2
3	GASKET	PTFE	2
4	GLASS TUBE	BOROSILICATE	1
5	TIE ROD	CS/CF8/CF8M/CF3M	4/8/12
6	ALLEN KEY BOLT	MS/SS 304/316/202/A2	-
7	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

INVESTMENT CASTING TYPE SIGHT GLASS



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H
15NB	90	60	170	16	4
25NB	108	79	170	16	4
40NB	127	98	170	19	4
50NB	152	121	170	19	4
65NB	180	140	170	19	4
80NB	191	152	170	19	8
100NB	229	191	175	22	8
150NB	279	241	180	22	8
200NB	343	298	180	22	8

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CF8/CF8M/CF3M	2
2	GASKET	PTFE	2
3	GLASS TUBE	BOROSILICATE	1
4	TIE ROD	SS 304/316/202	4/8/12
5	STUD BOLT	SS 304/316/202	-
6	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

INVESTMENT CASTING TYPE SIGHT GLASS (WITH T-BUSH TYPE)



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H
15NB	90	60	175	16	4
25NB	108	79	175	16	4
40NB	127	98	175	19	4
50NB	152	121	175	19	4
65NB	180	140	175	19	4
80NB	191	152	175	19	8
100NB	229	191	180	22	8
150NB	279	241	185	22	8
200NB	343	298	185	22	8

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CF8/CF8M/CF3M	2
2	GASKET	PTFE	2
3	T-BUSH	PTFE	2
4	GLASS TUBE	BOROSILICATE	1
5	TIE ROD	SS 304/316/202	4/8/12
6	STUD BOLT	SS 304/316/202	-
7	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

INVESTMENT CASTING TYPE SIGHT GLASS (PTFE LINED TYPE)



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H
15NB	90	60	175	16	4
25NB	108	79	175	16	4
40NB	127	98	175	19	4
50NB	152	121	175	19	4
65NB	180	140	175	19	4
80NB	191	152	175	19	8
100NB	229	191	180	22	8
150NB	279	241	185	22	8
200NB	343	298	185	22	8

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CF8/CF8M/CF3M	2
2	GASKET	PTFE	2
3	LINING	PTFE	2
4	GLASS TUBE	BOROSILICATE	1
5	TIE ROD	CS/CF8/CF8M/CF3M	4/8/12
6	STUD BOLT	SS 202/CF8/CF8M	-
7	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

TC END TUBULAR TYPE SIGHT GLASS



Dimension Table #150

Size	OD(±3)	L(±3)
25NB	50	220
40NB	50	220
50NB	63	220
65NB	76	220
80NB	90	220
100NB	118	220
150NB	168	220
200NB	217	220

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CF8/CF8M/CF3M	2
2	GASKET	PTFE	2
3	GLASS TUBE	BOROSILICATE	1
4	TIE ROD	CF8/CF8M/CF3M	-
5	STUD BOLT	SS 202/CF8/CF8M	-
6	SAFETY SHIELD	POLYCARBONATE/ ACRYLIC/SS	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

SCREWED-END TYPE SIGHT GLASS



Dimension Table #150

Size	Threaded ID	OD(±3)	L(±3)
8NB	12.5	54	150
10NB	16	54	150
15NB	19.5	54	150
20NB	25	54	150
25NB	31	54	150
40NB	46	76	150
50NB	58	86	150

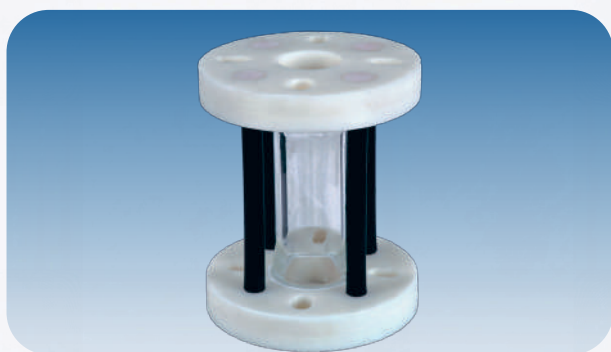
Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	WCB/CF8/CF8M/CF3M	2
2	GASKET	PTFE	2
3	GLASS TUBE	BOROSILICATE	1
4	TIE ROD	MS/SS 304/316/202	-
5	FASTENERS	MS/SS 304/316/202	-
6	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

PP/PVDF TUBULAR SIGHT FLOW INDICATORS



Dimension Table

Size	OD(±3)	PCD	H(No.)	H DIA	L(±3)
25NB	108	79	4	16	219
40NB	127	98	4	16	219
50NB	152	121	4	19	245
65NB	180	140	4	19	250
80NB	191	152	4	19	269
100NB	229	191	8	19	275
150NB	229	241	8	22	2

Material Specification

No.	DESCRIPTION	Qty.	MATERIAL
1	FLANGE	2	PPCP/PP/PPH/ISOPP/PVDF
2	GASKET	2	PTFE/VITON
3	GLASS TUBE	1	BOROSILICATE
4	TIE ROD	-	MS/SS 304/316/202/A2
5	FASTENERS	-	MS/SS 304/316/202/A2
6	SAFETY SHIELD	1	POLYCARBONATE/ACRYLIC

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	2
	PSI	28
	BAR	2

Lined MS/SS ALLEN KEY TYPE SIGHT GLASS



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H
25NB	108	79	175	16	4
40NB	127	98	180	16	4
50NB	152	121	180	19	4
65NB	180	140	185	19	4
80NB	191	152	190	19	4
100NB	229	191	190	19	8
150NB	279	241	205	22	8
200NB	343	298	215	22	8
150NB	406	362	215	25	12
300NB	483	432	220	25	12

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	FLANGE	CS/CF8/CF8M/CF3M	2
2	LINING	FEP/PFA/PTFE	2
3	GASKET	PTFE	2
4	GLASS TUBE	BOROSILICATE	1
5	TIE ROD	CS/CF8/CF8M/CF3M	4/8/12
6	ALLEN KEY BOLT	MS/SS 304/316/202/A2	-
7	SAFETY SHIELD	POLYCARBONATE/ACRYLIC	1

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	5
	PSI	71
	BAR	5

LINED DOUBLE WINDOW TYPE SIGHT GLASS



Dimension Table #150

Size	OD(±3)	PCD	L(±3)	ØD	N.H	Lining Thk.
25NB	108	79	178	16	4	3
40NB	127	98	204	16	4	3
50NB	152	121	228	19	4	3
65NB	180	140	254	19	4	3
80NB	191	152	280	19	4	3
100NB	229	191	330	19	8	3
150NB	279	241	406	22	8	3.5
200NB	343	298	458	22	8	3.5
250NB	406	362	558	25	12	4
300NB	483	432	610	25	12	4

Material Specification

No.	DESCRIPTION	MATERIAL	Qty.
1	BODY	CS/CF8/CF8M/CF3M	1
2	LINING	FEP/PFA	1
3	GASKET	PTFE	2
4	GLASS TUBE	TOUGHENED GLASS	2
5	ALLEN KEY BOLT	MS/SS 304/316/202/A2	-

Pressure Testing

TEST TYPE	UNIT	HYD. PRESSURE TEST
SHEEL (BODY)	KG/CM ²	10
	PSI	140
	BAR	10

LINING OPTION : PTFE/PFA/FEP/PVDF / ETFE/PP/HDPE

LINED VALVES

- 1) Lined Ball valve (2 pc design)
- 2) Lined Plug valve
- 3) Lined Diaphragm valve
- 4) Lined Butterfly valve
- 5) Lined Swing check valve (NRV)
- 6) Lined Ball check valve (NRV)
- 7) Lined Sampling valve
- 8) Lined Flush bottom valve
- 9) Lined Globe valve

LINED PIPE, FITTINGS & ACCESSORIES

- 1) Lined Pipe (jacketed / non jacketed)
- 2) Lined Elbow 45/90 (jacketed / non jacketed)
- 3) Lined Equal tee / Unequal tee (jacketed / non jacketed)
- 4) Lined Lateral tee
- 5) Lined Short tee
- 6) Lined Instrument tee
- 7) Lined Equal cross / Lined Unequal cross
- 8) Lined Reducer (concentric /eccentric)
- 9) Lined Reducing flange
- 10) Lined Sight flow indicator (double window type/ full view type)
- 11) PTFE Expansion Bellow
- 12) Lined Blind flange
- 13) Spacer
- 14) Lined Y-type strainer / Basket strainers
- 15) Lined Dip pipe
- 16) Lined Flexible hose & other.

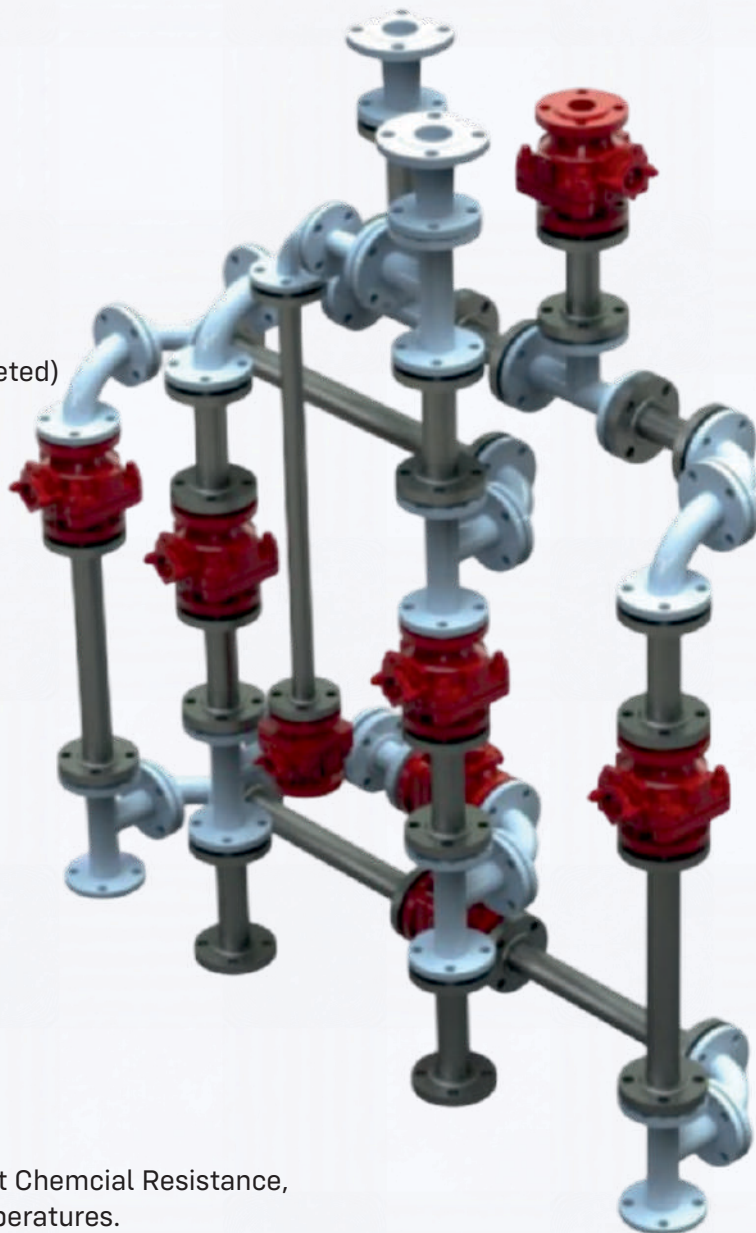
The Following Plastic Are Suitable For Respective Maximum Temperature Ratings

- | | |
|----------------|----------------|
| • PTFE : 200°C | • PVDF : 130°C |
| • PFA: 200°C | • PP: 90°C |
| • FEP: 160°C | • HDPE: 70°C |
| • ETPE: 140°C | |

These Living Materials Are Known For Their Excellent Chemical Resistance, Superior Electrical Properties, And High Service Temperatures.

ASTM STANDARD

- | | |
|------------------|--|
| » D4895-10 | : Standard Specification for Polytetrafluoroethylene (PTFE) Resin Produced From Dispersion |
| » D3307-10 | : Standard Specification for Perfluoroalkoxy (PFA) - Fluorocarbon Resin Molding and Extrusion |
| » D2116 95a | : Standard Specification for Fluorinated ethylene propylene (FEP) - Fluorocarbon Molding and Extrusion Materials |
| » D3159-10 | : Standard Specification for Modified Ethylene tetrafluoroethylene (ETFE) - Fluorocarbon Molding and Extrusion Materials |
| » D3322-82(2011) | : Standard Specification for Polyvinylidene fluoride (PVDF) Testing Primers and Primer Surfacers Over Preformed Metal |
| » D4101-11 | : Standard Specification for Polypropylene (PP) Injection and Extrusion Materials |





Ball valve



Diaphragm Valve



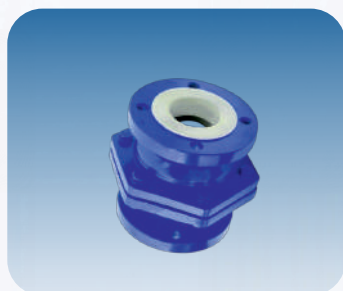
Plug Valve



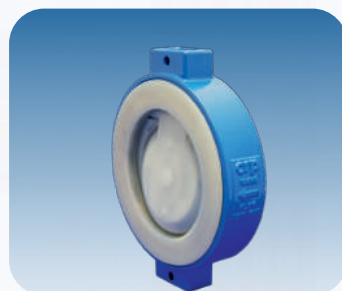
Butterfly Valve



Double Win.Sight Glass



Ball Type NRV Valve



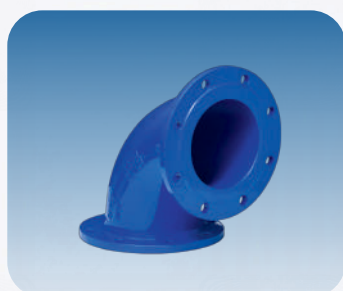
Swing Check Valve



Y Type Strainer



Lined Pipes



Lined 45° Elbow



Swing Check Valve



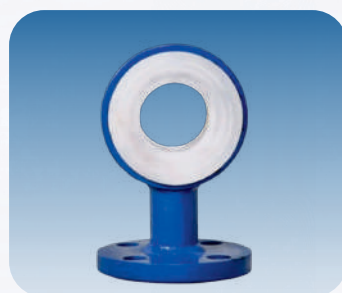
Lined Equal Cross



Eccentric Reducer



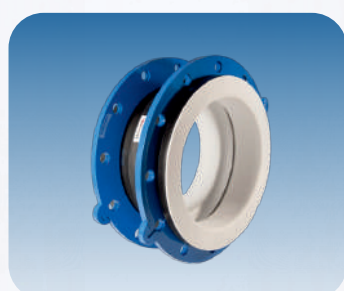
Concentric Reducer



Instrument Tee



Reducing Flange



Bellow



Dip Pipe / Sparger



Flush Bottom Valve



Man Hole Cover

Key Features :

- » Thermoplastic Material. Heavy Duty construction & corrosion free.
- » Accurate dimension & crack proof finish.
- » Light weight, easy to install & offering reduced handling, labour, freight & installation cost
- » Excellent mechanical & environmental strength.
- » Low operating torque because of threaded seal carrier
- » Antiblock system prevents ball jamming
- » 100% tested and leak proof (remove 100% factory...)
- » High impact & chemical resistance. Stands upto the most demanding application
- » Ergonomic operator - friendly handle made of high resistance PP

Pressure Rating:

- » Body: 10 kg/cm² (150 PSI)
- » Seat: 10 kg/cm² (150 PSI)

Max Temperature Rating:

- » PP: 85°C
- » Iso. PP: 100°C
- » PP-H: 110°C
- » PVDF: 130°C
- » Drilling Standards: ANSI B 16.5 (150#), AS 2129, (Table D, E & F) and Capsule Shape



Description	Material
» Body	» PP/PP-H/ISO. PP/PVDF / HDEPE
» End Piece	» PP/PP-H/ISO. PP/PVDF / HDEPE
» Body Seal Carrier	» PP/PP-H/ ISO. PP/PVDF / HDEPE
» Ball	» PP/PP-H/ISO. PP/PVDF / HDEPE
» Spindle	» EN-8 inserted(SS-304/SS-316)-PP/PP-H/ISO
» Handle	» PP with harden Spines
» Flange SEAL	» Neoprene / EPDM /Viton
» Body SEAL	» Neoprene / EPDM /Viton
» Spindle SEAL	» Neoprene / EPDM /Viton
» Ball Seat	» PTFE
» Spindle Seat	» PTFE
» Fastener	» MS Galvanized SS-304/SS-316
» Spindle bolt	» MS Galvanized SS-304 /SS-316



Measuring Instruments & Accessories



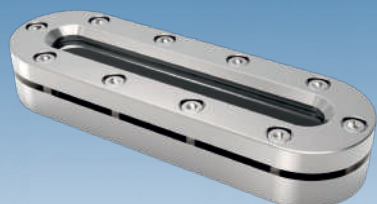
Gaskets & Gasket Sheets



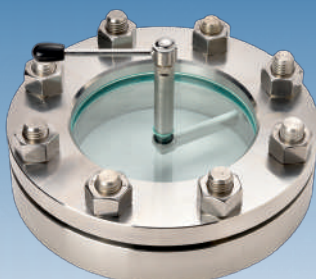
Filter Bags & Multi Mill Screens



**Pharmaceutical Equipment Spare,
Vibration Screens, Wier Mesh Slives**



**MS Check-nut Tubular Sight Flow
Indicator/ Sight Glass**



Tank Mounted Sight Glass wiper



Tank Mounted Sight Glass



Ss Pipe / Flange & Forged Fitting



Sanitary Valve & Fitting



**MS ERW & Seamless
Pipes & Fittings**



HDPE Tank



HDPE PIPE and Fitting



PPRC Pipe And Fitting



Pneumatic Fittings

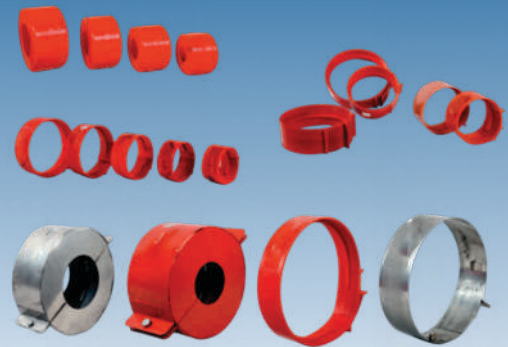


MS & SS Forged Fittings

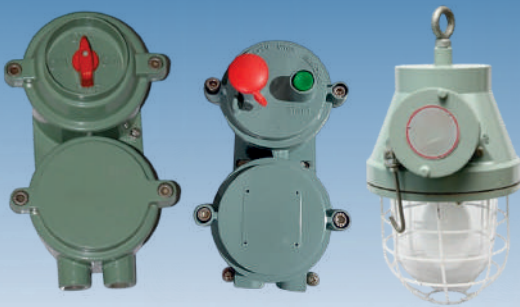
Our Other Products



Gland Packing



Flange Guard



Flp Light & Control



PU Wheels



Earthing Jumper



SS, MS, Tantalum Nut Bolt



Flexible Bellow



Ss Hose Pipe



Puf Support





Pharmaceuticals



Petro Chemical Plant



Acid & Chemical Plant



Beverages Plant



Iron & Steel Plant



Cement Plant



Dairy Industries



Civil Construction



Automobile Industries



Heavy Machineries



Textile Industries



Power Sectors



Refineries



Food Industries



Sugar Mills

