



SSM
VALVES

CRESCENT

OUR FOUNDERS



LATE THAKUR GANPAT RAI JI




LATE THAKUR BIRBAL DASS JI

ABOUT US

M/s Crescent Engineering Corporation was established in 1960. We are one of the Leading manufacturers of Malleable Iron Galvanised Pipe Fitting, Butterfly Valve, Stainer, Sluice Valves, Dual Plate, etc. Factory is very well equipped to produce material as per IS-1879, IS-13095, IS-14846 or as per customer requirement.

We have well equipped Lab for testing. Highly qualified and experienced engineers for quality control.

'SSM' Brand valves and 'C' Brand pipe Fitting enjoy a good reputation for its quality and durability all over India & Abroad. It enjoys reputation as one of the best Products available in India.

1.	Cast Iron Butterfly Valve Wafer Type (ISI Marked) Disk SG	
2.	Cast Iron Butterfly Valve Wafer Type (ISI Marked) Disk SS 304/316	
3.	Cast Iron Sluice Valve	
4.	Cast Iron Y Type Strainer Flanged	
5.	Dual Plate Check Valve	
6.	Heavy Pipe Fittings	

CAST IRON BUTTERFLY VALVE WAFER TYPE (ISI MARKED) DISC SG

PRODUCT DESCRIPTION

Product: SSM Cast Iron Butterfly Valve
 Type of Pattern: Short Pattern
 Product Standard: IS : 13095
 Pressure / Class / Rating : PN 1.6
 Body Material Cum Standard : Cast Iron IS:210 Gr. FG200
 Description: Wafer Type
 Type of Seat: Nitrile / EPDM Lining
 Type of Disc: SG Iron
 Trim: SS AISI-410
 End Details: Suitable insertion between flanges as per BS 10 Table D/E ANSI B
 1.6 CL-125

TESTING & CERTIFICATION

Ratings:
 PN 1.6
 Body Test Pressure: 300 Psig Hyd
 Seat Test Pressure : 200 Psig Hyd
 Our Works' Test Certificate is furnished with every supply

APPLICATION

Water

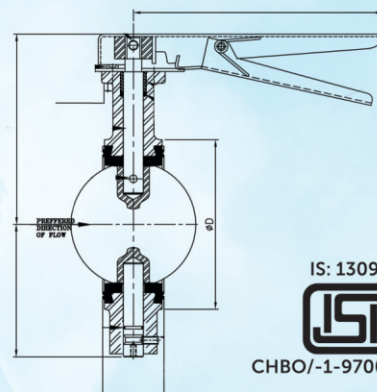


MATERIALS OF CONSTRUCTION

Components	Materials	Specifications
Body	Cast Iron	IS:210 Gr.FG200
Disc	S.G. Iron	IS: 1865 Gr:- SG 400/15
Shaft	Stainless Steel	AISI-410/ IS:6603: 12cr12
Seat	Rubber	Nitrile / EPDM Lining
Gear	M.S.	-----
Lever	S.G.	-----

DIMENSIONS(IN MM)

Nominal Size	Nominal Size (Inches)	L	H	H1 (Approx.)	L/L (Approx.)
40	1.1/2	33	58	94	170
50	2	43	64	118	170
65	2.1/2	46	70	120	214
80	3	46	80	130	214
100	4	52	98	150	214
125	5	56	116	176	300
150	6	56	129	196	300
200	8	63	170	240	GEAR
250	10	68	200	280	GEAR
300	12	78	280	325	GEAR



IS: 13095



CHBO/-1-9700162313

Notes

- Product images are for illustration purposes only. Actual product may vary.
- Actual dimensions may change over time, due to continual design improvements. Please confirm before placing order.

Cast Iron Butterfly Valve Wafer Type (ISI Marked) DISC SS 304/316

PRODUCT DESCRIPTION

Product: SSM Cast Iron Butterfly Valve
 Type of Pattern: Short Pattern
 Product Standard: IS : 13095
 Pressure / Class / Rating : PN 1.6
 Body Material Cum Standard : Cast Iron IS:210 Gr. FG200
 Description: Wafer Type
 Type of Seat: Nitrile / EPDM Lining
 Type of Disc: SS AISI-410
 Trim: SS AISI-410
 End Details: Suitable insertion between flanges as per BS 10 Table D/E ANSI B
 1.6 CL-125

TESTING & CERTIFICATION

Ratings:
 PN 1.6
 Body Test Pressure: 300 Psig Hyd
 Seat Test Pressure : 200 Psig Hyd
 Our Works' Test Certificate is furnished with every supply

APPLICATION

Water

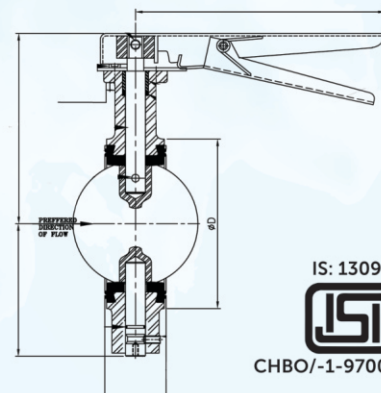


MATERIALS OF CONSTRUCTION

Components	Materials	Specifications
Body	Cast Iron	IS:210 Gr.FG200
Disc	Stainless Steel	ASTMA 351 Gr. Cf8 (304/316)
Shaft	Stainless Steel	AISI-410/ IS:6603: 12cr12
Seat	Rubber	Nitrile / EPDM Lining
Gear	M.S.	-----
Lever	S.G.	-----

DIMENSIONS(IN MM)

Nominal Size	Nominal Size (Inches)	L	H	H1 (Approx.)	L/L (Approx.)
40	1.1/2	33	58	94	170
50	2	43	64	118	170
65	2.1/2	46	70	120	214
80	3	46	80	130	214
100	4	52	98	150	214
125	5	56	116	176	300
150	6	56	129	196	300
200	8	63	170	240	GEAR
250	10	68	200	280	GEAR
300	12	78	280	325	GEAR



IS: 13095



CHBO/-1-9700162313

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CAST IRON SLUICE VALVE

Flanged Type/PN1.6

IS : 14846



L-9900024470

PRODUCT DESCRIPTION

Product SSM C.I. Sluice Valve
Product Standard : IS-14846
Pressure/Class/Rating : PN 1.6
Body Material cum standard : IS-210 Gr. FG-200 Cast iron
Product Description : Bolted Bonnet inside Screw
Non-Rising stem
Type of Seat : Renewable
Type of Disc : Solid Wedge
Trims : Cu-Alloy Rings, Stem SS (12 Cr.12)
Gland Packing : Jute & Hemp/Rubber
End Details : Flanges as per IS 1538 F/F Drilled

TESTING & CERTIFICATION

	PN 1.6
Body Test Pressure	2.4 MPa.Hyd.
Seat Test Pressure	1.6 MPa.Hyd.

Our Works Test Certificate is Furnished with every supply

MATERIALS

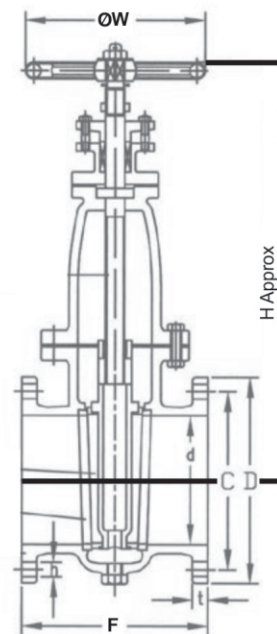
Components	Material	Specifications
Cap, Gland Bonnet Thrust Plate, Body Wedge Handwheel, Stuffing Box	Cast Iron	IS:210 Gr FG200
Screw	Carbon Steel	IS:1363
Stem	H.T. Brass/S.S.	IS:6912FHTB2/12cr12
Gland Packing	Jute & Hemp/Rubber	IS:5414/IS-638
Bolts/Nuts	Carbon Steel	Is1363 Part 1/3
Wedge Nut	Leaded Tin Br.	IS:318 Gr.LTB2
Body Seat	Leaded Tin Br.	IS:318 Gr.LTB2
Wedge Ring		
Gasket	Rubber	IS:638 Type B
Head Bolts / Bolts & Nut for Gland	Carbon Steel	IS:1363 Part 1/3

DIMENSIONS IN mm

Size	F	H	ØD	T	NXØD	PN 1.6 ØW
50	178±2	305	165	16	4x19	280
65	190±2	340	185	16	4x19	280
80	203±2	385	200	20	4x19	280
100	229±2	420	220	22	8x19	360
125	254±2	455	250	22	8x19	360
150	267±2	535	285	23	8x23	360
200	292±2	645	340	24	8x23	450
250	330±2	750	395	26	12x23	640
300	356±2	855	445	27	12x23	640

APPLICATION

Water



DESIGN FOR SIZE 150MM AND BELOW

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CAST IRON Y TYPE STRAINER FLANGED

PRODUCT DESCRIPTION

Product : SSM Cast Iron Y Type Strainer
 Type of Pattern : Y Type
 Pressure Rating : PN1.6
 Body Material cum standard : Cast Iron IS:210 Gr.FG200
 Description : Bolted Cover
 Screen : SS AISI-304 having 1.2mm perforation
 End Details : Flanges as per BS 10 Table F Undrilled

TESTING & CERTIFICATION

Body Test Pressure : 24 kg/cm² Hyd.
 Working Test Pressure : 16 Kg/cm² Hyd.

Our Works' Test Certificate is furnished with every supply

APPLICATION

Water

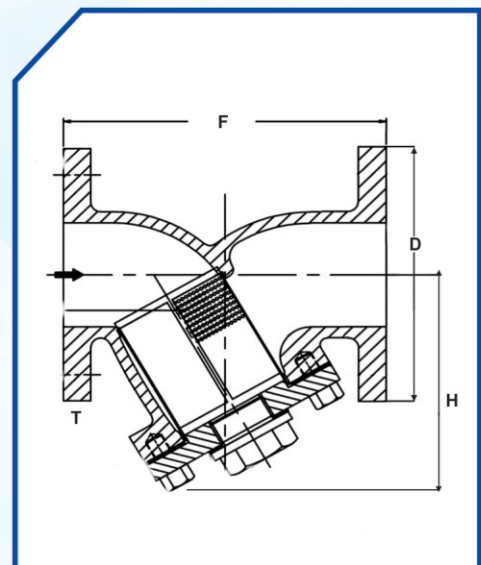


MATERIALS OF CONSTRUCTION

Components	Materials	Specifications
Body, Cover	Cast Iron	IS:210 Gr.FG200
Screen	Stainless Steel	AISI-304
Gasket	Compressed Asbestos Fiber	-
Drain Plug	Stainless Steel	AISI-410
Studs and Nuts	M.S.	-

DIMENSIONS IN mm

Size	F	D	T	H APPROX
1½	185±2	140	15	135
2	205±2	158	16	149
2 ½	235±2	184	16	167
3	255±2	203	22	187
4	295±2	228	22	224
5	350±2	266	22	253
6	385±2	285	24	293
8	480±2	370	25	355



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DUAL PLATE CHECK VALVE

PRODUCT DESCRIPTION

Product: SSM Dual Plate Wafer Check Valve
 Pressure Rating : PN 1.6
 Body Material cum Standard: Cast Iron
 Pressure Description : Wafer Type Spring Loaded
 Type of Seat : EPDM Rubber Lining
 Type of Disc : Ductile Iron Disc
 Trim: Spring & Pins SS 304
 End Details : Wafer type suitable for clamping between flanges as per ASME B 1.6 CL-125

TESTING & CERTIFICATION

Body Test Pressure: 300 Psig Hyd
 Seat Test Pressure : 200 Psig Hyd

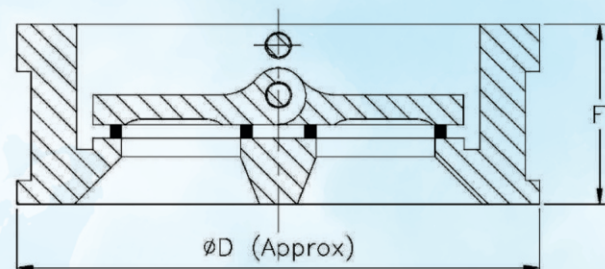


MATERIALS OF CONSTRUCTION

Components	Materials	Specifications
Body	Cast Iron	FG 200 Grade
Body Seat	Rubber	E.P.D.M.
Disc	D.I (SG Iron)	-----
Hinge Pin	SS	AISI-420
Stop Pin	SS	AISI-420
Spring	Spring Steel	AISI-304
Bush/Bearing	P.T.F.E	-----
Plug	SS	AISI-410

DIMENSIONS(IN MM)

Size	F+2	D
50	55	93
65	56	110
80	58	130
100	65	160
125	70	185
150	80	217
200	98	270
250	110	332
300	116	375



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WE ALSO PRODUCE

6



ELBOW



THREE WAY ELBOW



TANK NIPPLE



ELBOW REDUCING



SOCKET REDUCING



UNION



TEE REDUCING



CROSS



TEE



SOCKET

IS : 1879



CM/L-0739055



HEX NIPPLE



सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL &
MEDIUM ENTERPRISES



CERTIFICATE

ZED BRONZE

under MSME Sustainable (ZED) Certification Scheme
awarded to

Crescent Engineering Corporation

UNIT NAME

Flat No:- RANDHAWA MASANDA, Building:- --, Road/Street:- STREET NO.9, Village/Town:-
--, Block:- --, City:- JALANDHAR, JALANDHAR, PUNJAB-144001

UNIT ADDRESS

24-Manufacture of basic metals

CODE (AS PER NIC-2008)

UDYAM-PB-10-0004584

UDYAM REGISTRATION NUMBER

Issued on :
November 1, 2022

Certificate Validity :
Three years from the date of issue



01112022_015991

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the
MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level.
Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.

OUR FACTORY MECHANISM & PROCESS



CRESCENT



MFD by Crescent Engineering Corporation Jalandhar
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