



An ISO 9001 Company

FIRE FIGHTING PRODUGT GATALOGUE

















FIRE Hoses



	TECHNICAL SPECIFICATION					
Inside	Diameter	Proof pressure	Burst Pressure	Mass Wt.		
(inch.)	(mm)	Kg. f/cm ²	Kg. f/cm ²	(Gm./Mtr.)		
1-1/2	38.0	21.4	35.7	275		
2	50.0	21.4	35.7	350		
2-1/2	63.0	21.4	35.7	425		
2-3/4	70.0	21.4	35.7	480		

TECHNICAL SPECIFICATIONS

Hose: Reinforced Rubber Lined Fire Hose

Conforming Specification: IS: 636/1988 Type - A, ISI

Marked

Application: This Reinforced Rubber Lined Fire Hose is used

for water

CONSTRUCTION

Jacket: Circular woven jacket made from a special blend of cotton & synthetic yarn with high abrasion and heat resistance. Jacket is also treated with suitable rot proofing agent.

Rubber Lining: A rubber inner lining with suitable rubber compound which gives flexibility, durability & better resistance



Aqua Dura RRL Hose Pipe

TECHNICAL SPECIFICATIONS

Hose: Reinforced Rubber Lined Fire Hose with Elastomeric Coating on outer surface

Conforming Specification : IS: 636/ I 988 Type — A,

Application: This Reinforced Rubber Lined Elastomeric Coated Fire Hose is used for water delivery purpose in Fire-Fighting, Oil & Power Sector, Industrial Plants & Sailing Vessels







CP FIRE Hoses



	TECHNICAL SPECIFICATION				
Inside	Diameter	Proof pressure	Burst Pressure	Mass Wt.	
(inch.)	(mm)	Kg. f/cm ²	Kg. f/cm ²	(Gm./Mtr.)	
1-1/2	38.0	21.4	35.7	275	
2	50.0	21.4	35.7	350	
2-1/2	63.0	21.4	35.7	425	
2-3/4	70.0	21.4	35.7	480	

Hose: Controlled Percolating Lined Fire Hose

Conforming Specification: IS: 8423/1994, ISI Marked

Application: This Controlled Percolating Hose is used for water delivery purpose in Fire-Fighting, Irrigation & Floor Washing etc.

CONSTRUCTION

Jacket: Circular woven jacket made from a special & synthetic

yarn

Rubber Lining: A ultra thin layer of rubber lining with suitable

rubber compound which ensure controlled percolating. **Standard Length:** 7.5 Mtrs, 15 Mtrs, 22.5 Mtrs & 30 Mtrs

End Connection: As per customer requirements

FEATURES

- Compact, Flexible & Light weight
- Low friction loss
- Abrasion resistance
- Ability to withstand high operating & back pressure



Thermo Plastic Hose Pipe

Hose: Thermo Plastic Hose Pipe

Conforming Specification: IS: 12585, Type - 2 Marked

Application: This Thermo Plastic Hose is used for water delivery

purpose in Fire-Fighting

CONSTRUCTION

Lining: A flexible Thermoplastic lining, Smooth in bore.

Reinforcement: A Natural or Synthetic Textile

Reinforcement Cover: A flexible thermoplastic cover, which may have a smooth or fluted finish as agreed to between the purchaser & the supplier. The colour may be different from that of the lining.

Standard Lenght: 30 Mtrs & 36 Mtrs
Nominal Bore (ID): 10.mm to 50.00 mm

FEATURES

- Compact, Flexible & Light weight
- Low friction loss
- · Ability to withstand high operating & back pressure









Coupling & Adapters



Stainless Steel Material

"SIR" Instantaneous Coupling

TECHNICAL SPECIFICATIONS

Size: 63mm

Material: Gun Metal/ Stainless Steel/Aluminium Alloy
Conforming Specification: IS: 903, ISI Marked

Performance Test:

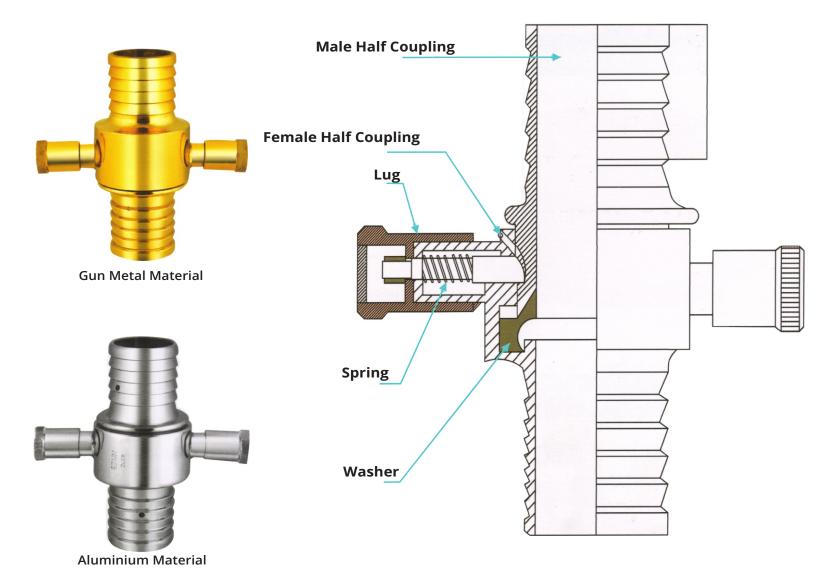
Hydrostatic Test (Body Test): Tested at 21 kgf/cm²

Working pressure: 5 to 14 Kg / cm²

Other Range

Range: 38mm, 52mm & 70mm,

Hologram: Sticker stuck on Coupling.







Branch Pipe & Nozzels







Gun Metal Material



Aluminium Material

"SIR" Short Branch Pipe

TECHNICAL SPECIFICATIONS

Size of Branch Pipe: 63mm

Size of Nozzles: 6mm, I2mm, I5mm, 20mm and 25mm
Material: Gun Metal/ Stainless Steel/Aluminium Alloy
Conforming Specification: IS: 903, ISI Marked

Performance Test:

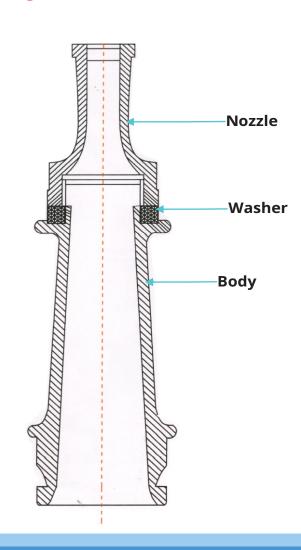
Hydrostatic Test (Body Test): Tested at 21 kgf/cm²

working pressure: 7 kgf/cm²

Other Range

Range: 52mm & 38mm
Finish: Natural Polished

Hologram: Sticker stuck on Nozzle







Landing Valve



Stainless Steel Material



Gun Metal Material



Aluminium Material

"SIR" Double Outlet Landing Valve

TECHNICAL SPECIFICATIONS

Size: 63mm/75mm/80mm

Inlet: 4" NB Flanged

Outlet: Female Instantaneous

Material: Gun Metal/ Stainless Steel/ Aluminum Alloy.

Conforming Specification: IS: 5290, Type "B", ISI Marked

Performance Test:

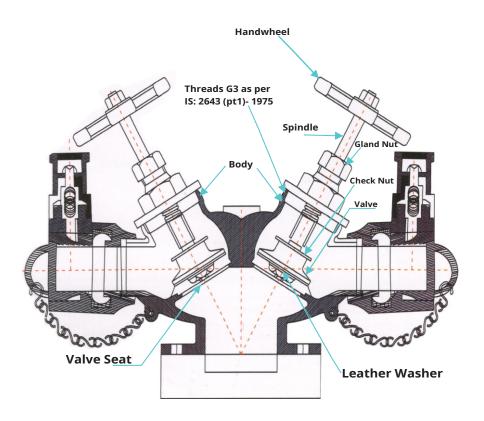
Hydrostatic Test (Body Test): Tested at 23 kgf/cm²
Water tightness (Seat Test): Tested at 14 kgf/cm²

Flow Test: 1800 LPM discharge at 7 kgf/cm²

Finish

Body: Painted Fire Red Colour

Male Adaptor & Accessories : Polished Hologram : Sticker Stuck on Landing Valve





"SIR"

Landing Valve



Stainless Steel Material



Gun Metal Material



Aluminium Material

"SIR" Single Outlet Landing Valve

TECHNICAL SPECIFICATIONS

Size: 63mm/75mm/80mm

Inlet: 3" NB Flanged

Outlet: Female Instantaneous

Material: Gun Metal/ Stainless Steel/ Aluminum Alloy.

Conforming Specification: IS: 5290, Type — A, ISI Marked

Performance Test:

Hydrostatic Test (Body Test): Tested at 23 kgf/cm²
Water tightness (Seat Test): Tested at 14 kgf/cm²

Flow Test: 900 LPM discharge at 7 kgf/cm²

Other Range

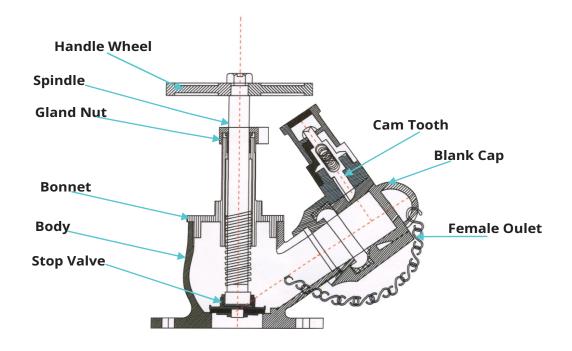
Range: 38mm/50mm

Hand Wheel: Grey Cast Iron

<u>Finish</u>

Body: Painted Fire Red Colour

Male Adaptor & Accessories : Polished Hologram : Sticker Stuck on Landing Valve







Hose Reel



"SIR" First Aid Hose Reel for Fire Fighting

TECHNICAL SPECIFICATIONS

Type: Wall Mounted Fixed/Swinging Type
Size: Inlet: I" Threaded Inlet Connection

Outlet: 3/4" / l" / l-1/2" outlet connection for Hose to accommodate

30/ 36/ 40 Mtrs. Hoses

Hose: Rubber Braided Hose Pipes Conf. to IS:444/ I 987,

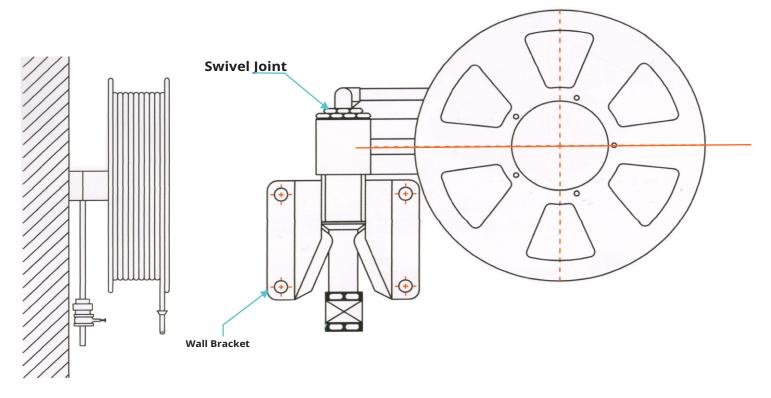
Type -I, 2, 3A & 3B (Duly ISI marked)

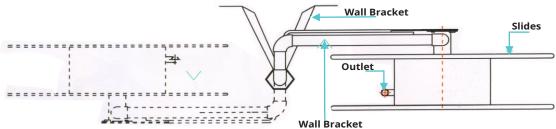
Performance Test:

• Hydrostatic Test (Body Test): Tested at 21 klgf/cm²

• Range & Water Flow rate test at 7kg f/ cm²

• Discharge: 24LPM

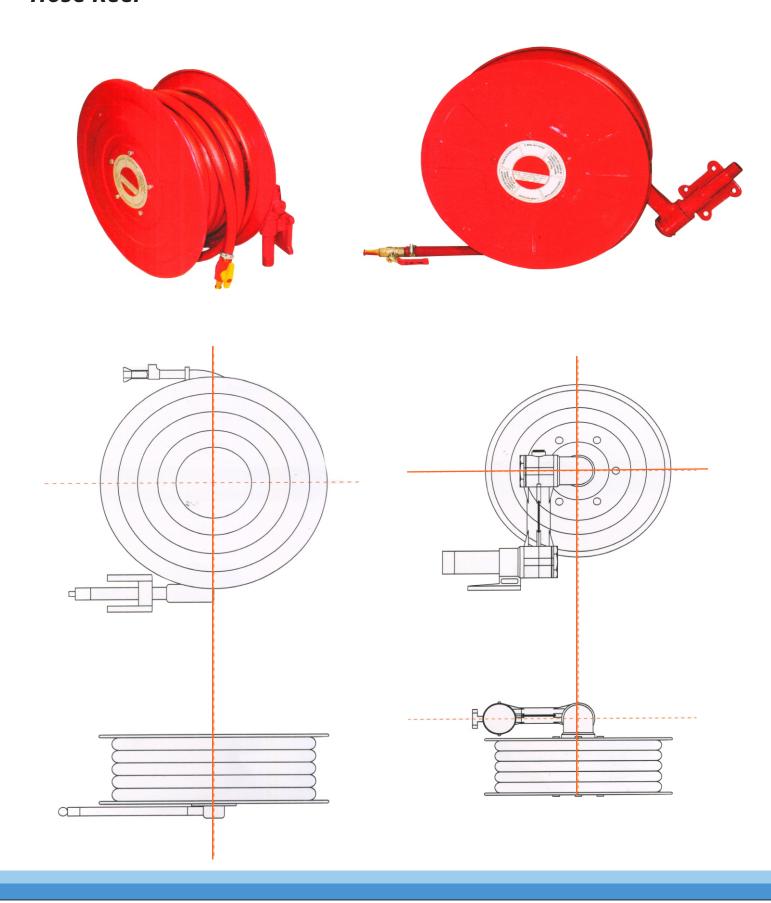








Hose Reel







Hose Reel

"SIR" Two Way Inlet Breeching



TECHNICAL SPECIFICATIONS

SIZE: 63mm

Inlet: 2/3/4 No's Male Instantaneous Adaptor (63 mm) with NRV

Outlet: 80/100/150 mm NB Flanged

Material

Body: Cast Iron, Gun Metal & Stainless Steel

NRV: Gun Metal & Stainless Steel

Conforming Specification: IS: 904

Performance Test:

Hydrostatic Test (Body Test): 21 kgf/cm²

Water tightness (Seat Test): 7 kgf/cm²

Finish:

Body: Painted Fire Red Colour

Male Adaptor: Polished

Hologram: Sticker Stuck on body

"SIR" Three Way Inlet Breeching

"SIR" Four Way Inlet Breeching









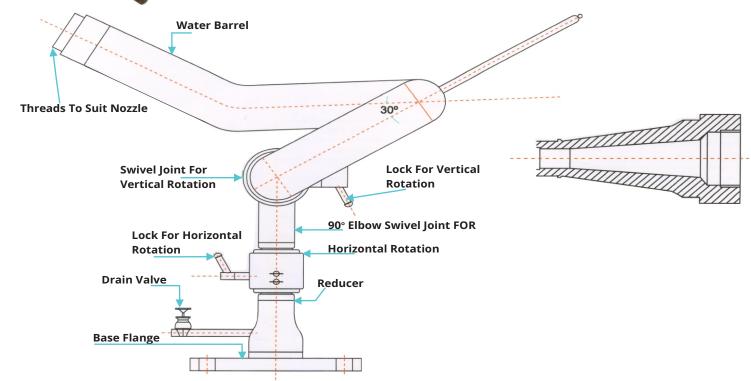
Stand Post Type Water Monitor



Application

- Oil Sector
- Refineries
- Chemical Plants
- Fertilizers and
- Fire Tenders etc.

TECHNICAL SPECIFICATIONS				
Design & Construction	As Per IS:8442			
Material	Seamless Mild Steel Tubes			
Size of Monitor	63mm			
Size of Inlet Flange	80 mm			
Construction	Welded from M. S. Seamless Pipes, Bends, etc.			
Discharge Capacity	1750 LPM			
Horizontal Throw	50 - 55 Meters			
Rotation	360°			
Elevation	85° to 30°			
Joint	Swivel Type (Gun-Metal)			
Jet Spray Nozzle	Gun Metal or Aluminium			
Operative Pressure	0.7 N/mm ² at Nozzle End			
Leakage Pressure	To withstand a pressure of 2.3 N/mm²			







Foam Making Branch



APPLICATION:

Foam Making Branch Pipe is a lightweight, easy to handle, ideal for Fire Brigade first line appliances and general industrial use. It will operate from a water supply at particular pressure to produce foam bubbles via 3m long pierce pick-up tube which can be supplied with the branch pipe.

FEATURES:

- Excellent Foam Quality.
- Lightweight compact self inducing high output Branch Pipe.
- Longer foam throws Performance.
- Wide Operating Pressure Range.
- Suitable for all types of foam concentrate.
- Useful for Oil and Chemical Installations, General
- Industries, Airports and Fire Brigades.

TECHNICAL SPECIFICATIONS

	FB 5X	FB 10X
Design & Construction	As Per IS: 2097	As Per IS: 2097
Operating Pressure Range	5.0 to 5.5 Bar	8.0 to 8.5 Bar
Foam Liquid	P, FP, FFFP, AFFF, AR and S	Standard AFFF Compound
Foam Ratio	1:10	1:10
Discharge (LPM)	225 to 250	450 to 500
Jet Length (Maximum)	20 meters	24 meters
Coupling Inlet	2.5" Instantaneous (M)	2.5" Instantaneous (M)
Foam Pick-up	20mm Quick Release	20mm Quick Release
Material	Aluminium Alloy	Aluminium Alloy
Weight	3.2 kg	3.7 kg
Angle of Operation	30°	30°







Fire Extinguishers

Fire - Extinguisher-Co2

Type



Fire - Extinguisher-ABC

<u>Type</u>



<u>Fire - Extinguisher</u>
(All Ranges)





ABC Dry Chemical Powder:

Dry chemical powder is very important Fire-Fighting agent and it's extinguishing medium for Class A, B & C fires. It is mix of mono ammonium phosphate and ammonium Sulfate, the mix between two agents is usually 50-50% and 90-IO% or depending upon required specification.

Swastik® Dry Chemical Powder confirms to IS: |4609 Specification. Approval: Bureau of Indian Standards, Govt. of India. Packing: available in I/2/4/6/9 /25/50 Kgs.



BC dry chemical is a sodium bicarbonate based chemical powder. It's extinguishing agent for Class B & C fires.

Swastik® Dry Chemical Powder confirms to IS: 4308 Specification.

Approval: Bureau of Indian Standards, Govt. of India.

Packing: available in 2/5/ IO/25/50 Kgs.





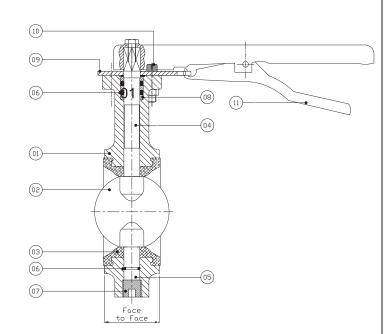




Butterfly Valve

Materials

S. No.	Parts	Material
01	Body	Cast Iron/S.G. Iron/DI/ Stainless Steel/WCB
02	Disc.	S.G. Iron/DI/ Stainless Steel
03	Liner	Nitrile EPDM Viton
		(High temperature)
04	Shaft	Stainless Steel
05	Ideal Shaft	Stainless Steel
06	O-Ring	Nitrile EPDM
07	Dead Plug	Mild Steel
08	Body Bush	PTFE Nylon
09	Notch Plate	Mild Steel
10	Nut Bolt	Galvanised Steel
11	Lever	CRCC



Hydrostatic Test Pressure

Availability	Size Range	Manufacturing and Pressure Rating	Temperature Rating	Hydrostatic Test Pressure	
				Body	Seat
Standard Supply	Standard Supply 50 to 900 mm IS:13095 PN 1.0 -10°C to 90°C			15 Kg./cm ²	10 Kg./cm ²
	50 to 300 mm	IS:13095 PN 1.6	-10°C to 90°C	24 Kg./cm ²	16 Kg/cm ²

PN 20 & PN 25 also avalaible

Dimensions in mm

DIN Size	PCD	Face to Face
40	110	33
50	125	43
65	145	46
80	160	46
100	180	52
125	210	56
150	240	56
200	295	60
250	350	68
300	400	78
350	460	92
400	515	102
450	565	114
500	620	127
600	725	154
700	840	229
800	950	241
900	1050	241

Description

Wafer type Butterfly Valves are with an integrally moulded elastomer seat loose liner The Valves can be supplied in different combination of body, and disc material to suite a wide range of line fluids in size range of 40 mm to 900 mm. Valve suitable for Liquid, Gases etc.

Note: Viton-Extra Cost.







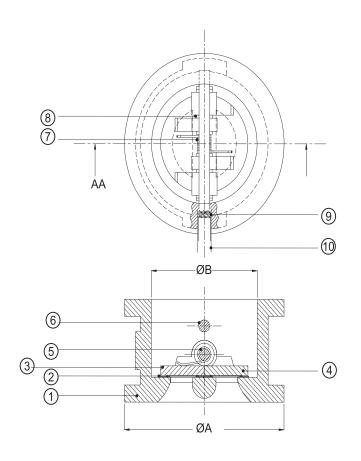
Dual Plate Check Valve

Materials

S. No.	Parts	Material
01	Body	C.I/C.S./D.I./Alloy Steel/ SS/WCB
02	Linner	Nitrile/EPDM
03	Plate LH	D.I./S.S.
04	Plate RH	D.I./S.S.
05	Hinge Pin	SS 304
06	Stopper Pin	SS 304
07	Spring	SS 304
08	Ring	SS 304
09	Seal	Nitrile EPDM
10	Plug	Mild Steel

Hydrostatic Test Pressure

Availability	Size Range	Temperature Rating	Hydrostatic Test Pressure	
		Body	Seat	
Standard Supply 50 to 600 mm		-10°C to 90°C	15 Kg./cm ²	10 Kg./cm ²
	50 to 300 mm	-10°C to 90°C	24 Kg./cm ²	16 Kg/cm ²



Dimensions in mm

DIN Size	Outer Dia (ØA)	Face to Face	Innder Dia (ØB)				
50	105	54	60				
65	124	54	73				
80	137	57	89				
100	175	64	114				
125	197	70	141				
150	222	76	168				
200	279	95	219				
250	340	108	273				
300	410	143	324				
400	On Request	On Request	On Request				
500	On Request	On Request	On Request				
600	On Request	On Request	On Request				
Dimen	sions are subject to	change in course of prod	Dimensions are subject to change in course of product development				



Description

Dual Plate Check valve is a purpose non-return valve that is much stronger, lighter in weight and smaller in size as compared to conventional swing check valve or lift check valve. This design has distinct advantages over conventional swing check valve.





Sluice Valve

Materials

S. No.	Parts	Material	Specification
01	Body	Cast Iron	IS:210 Gr.FG 200
02	Body Seat Ring	Leaded Tin Bronze	IS:318 LTB2
03	Wedge	Cast Iron	IS:210 Gr.FG 200
04	Wedge Ring	Leaded Tin Bronze	IS:318 LTB2
05	Wedge Nut	Leaded Tin Bronze	IS:318 LTB2
06	Gasket	Rubber	IS:638 Type-B
07	Bolts & Nuts	Carbon Steel	IS:1363
08	Bonnet	Cast Iron	IS:210 Gr.FG 200
09	Stem	Stainless Steel	IS:6603 12Cr12
10	Bolts & Nuts	Carbon Steel	IS:1363
11	Gasket	Rubber	IS:638 Type-B
12	Stuffing Box	Cast Iron	IS:210 Gr.FG 200
13	Packing	Asbestos	IS:4687
14	Gland	Cast Iron	IS:210 Gr.FG 200
15	Hand Wheel	Cast Iron	IS:210 Gr.FG 200
16	Washer	Mild Steel	
17	Bolts	Carbon Steel	IS:1363
18	Bolts & Nuts	Carbon Steel	IS:1363

Hydrostatic Test Pressure

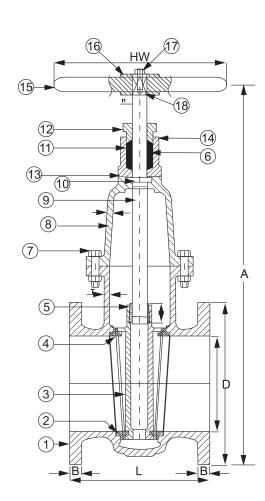
Availability	Size Range	Manufacturing and Pressure Rating	Hydrostatic Test Pressure	
		Body	Seat	
Standard Supply	50 to 700 mm	15 Kg./cm ²	10kg./cm ²	
	50 to 300 mm	IS:14846 PN 1.6	24 Kg./cm ²	16 Kg/cm ²

Dimensions in mm

DN Size	L	В	D	А	H/w PN1.0	Dia. PN1.6
50	178	16	165	365	225	280
65	190	16	185	380	225	280
80	203	21	200	425	225	280
100	229	22	220	470	320	360
125	254	22.5	250	485	320	360
150	267	23	285	595	320	360
200	292	24.5	340	725	360	450
250	330	26	395	835	400	640
300	356	27.5	445	910	400	640
350	381	29	505	1020	500	640
400	406	30	565	1110	640	730
450	432	31.5	615	1200	720	800
500	457	33	670	1300	720	800
600	508	36	780	1500	720	800
700	On Request	On Request	On Request	On Request	On Request	On Request

Description

Cast Iron Double Flanged Sluice Valve as per IS 14846: 2000 with G.M. Internals and IS 6603 12CR13 S.S. Spindle drilled as per IS:1538 with body design preferred dimensions (PD) type. These valves can be supplied with S.S. Working Parts.





TOLERANCES AS PER IS 14846:2000

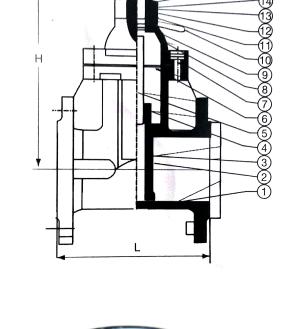




Resilient Gate Valve

Materials

S. No.	Parts	Material	Standard	Grade
01.	Body	Ductile Iron	BS EN 1563	450/10.500/7
02.	Rubber	Rubber	MS 672:29	Nitrile / EPDM
	Coating		BS EN 681	(66-75 IRHD Hardness)
03.	Wedge	Ductile Iron	BS EN 1563	450/10, 500/7
04.	Stem Nut	Gun Metal	BS 1400	LG 2
05.	Stem	Stainless Steel	BS 970:Part 1	431S29, 304S31
06.	Gasket	Rubber	MS 672:99	Nitrile / EPDM
			BS EN 681	(66-75 IRHD Hardness)
07.	Bolts	Steel	BS 3692	Grade 5
		Stainless Steel	BS 970:Part 1	431S29, 304S31
08.	Bonnet	Ductile Iron	BS EN 1563	450/10, 500/7
09.	O-Ring	Rubber	MS 672:99	Nitrile / EPDM
			BS EN 681	(66-75 IRHD Hardness)
10.	Trust Collar	Gun Metal	BS 1400	LG 2
11.	O-Ring	Rubber	MS 672:99	Nitrile / EPDM
			BS EN 681	(66-75 IRHD Hardness)
12.	O-Ring	Rubber	MS 672:99	Nitrile / EPDM
			BS EN 681	(66-75 IRHD Hardness)
13.	Sleeve	Gun Metal	BS 1400	LG 2
14.	O-Ring	Rubber	MS 672:99	Nitrile / EPDM
			BS EN 681	(66-75 IRHD Hardness)
15.	Gland	Ductile Iron	BS EN 1563	450/10, 500/7
16.	Dust-Proof	Rubber	MS 672:99	Nitrile / EPDM
			BS EN 681	(66-75 IRHD Hardness)
17.	Bolts	Steel	BS 3692	Grade 5
		Stainless Steel	BS 970:Part 1	431S29, 304S31
18.	Сар	Ductile Iron	BS EN 1563	450/10, 500/7



Dimensions in mm

DIN Size	L	Н
50	178	280
65	190	290
80	203	400
100	229	450
125	250	500
150	267	520
200	292	630
250	330	750
300	356	825



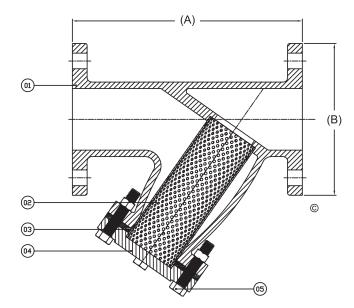




Y-Strainer

Materials

S.No.	Parts	Material	Specification
01	Body	Cast Iron/S.G. Iron	IS: 210 FG 200/ IS 1865, 500/7
02	Screen	Stainless Steel	S.S.
03	Gasket	Natural Rubber	IS:638
04	Cover	Cast Iron	IS:210 FG 200
05	Bolts	Carbon Steel	IS:1363



Hydrostatic Test Pressure

Availability Size Range		Manufacturing and Pressure Rating	Hydrostatic Test Pressure
			Body
Standard Supply	40 to 350 mm	PN 10	10 Kg./cm ²
		PN 16	16 Kg./cm ²

Dimensions in mm

DIN Size	Face to Face (A)	Flange Dia (B)	Flange Thickness (C)
40	205	135	16
50	205	154	16
65	220	160	16
80	265	186	17
100	330	215	20
125	418	255	20
150	440	285	22
200	525	340	23
250	725	405	25
300	750	480	25
350	845	535	30
Dimensio	Dimensions are subject to change in course of product development		



Cast Iron Strainer, Y-Type with Stainless Steel Mesh







Wafer Check Valve

Materials

S. No.	Parts	Material
01	Body	C.I./D.I./S.S./Alloy Steel/AI.
02	Disc	S.S./MS
03	Seal	Nitrile/EPDM
04	Stopper	Mild Steel
05	O-Ring	Nitrile/EPDM
06	Eye Bolt	Mild Steel

Hydrostatic Test Pressure

Availability	Size Range	Temperature Rating	Hydrostatic Test
			Seat
Standard Supply 40 to 600 mm N.B.		-10°C to 90°C	16 Kg./cm ²

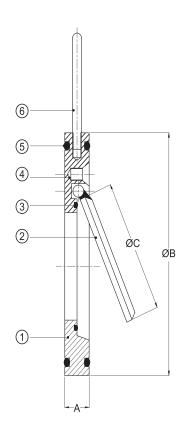
Dimensions in mm

DIN Size	А	В	С
40	20	102	33
50	20	110	42
65	22	132	60
80	25	145	71
100	25	160	90
125	25	188	110
150	30	220	130
200	34	270	175
250	34	325	220
300	36	370	265
400	On request	On request	On request
500	On request	On request	On request
600	On request	On request	On request

Specification are Subject to Change in course of product development Also Available in 350, 400, 450, 500 & 600 mm (on request)

Description

Wafer Type Check Valve suitable for Liquid, Gases and all purpose Check Valve (NRV). This Design has distinct advantages over conventional Swing Check Valve.









Triple Purpose Nozzle



Fog Nozzle



Revolving Type Nozzle





High Stream Fog Nozzle



High Stream Fog Nozzle



Fire Hose Box



Fire Man's Axe









Product:- SIR Investment Casting Ball Valve

Size/Inch	MM
1/2	15
3/4	20
1	25
1 1/4	32
1 1/2	40
2	50

Pressure Reducing Valve



Dividing Breching



Hand Controlled Nozzle



Fire Sprinklers









Flexible Hose For Sprinklers









Suction Couplings





Suction Strainer



Double Instantaneous Female Couplings



Reduced Shank Couplings



CamLock Coupling



Single Inlet Breeching

Straight Type Landing Right Angle Landing Valve

<u>Valve</u>

Turn Down Type Landing <u>Valve</u>













<u>Air Release Valve</u>



Male Coupling



Side Glasss



Aluminum Suction
Coupling



Foam Trolley



Landing Valve



Synthetic Jacketed Hose
Type-B



Suction Hose



Male Female Coupling







THE KEY FACTOR

AUTHORISED DEALER







