KOLEY®

KOLEY VALVES CORPORATION

"The Ultimate solution, No compromise with quality"

Introduction

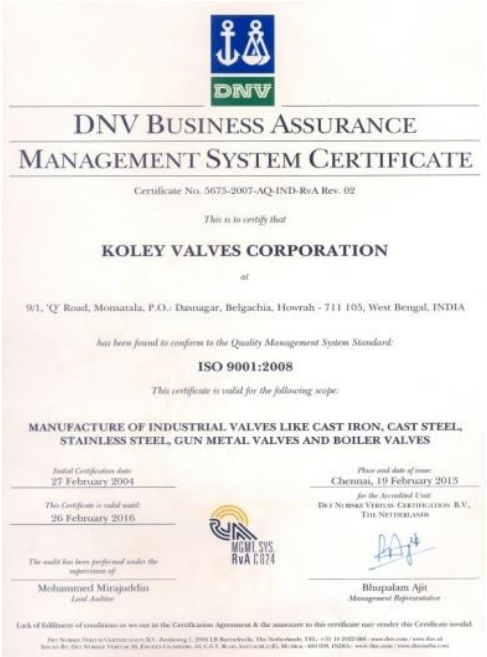
Founded in 1975, Koley Valves Corporation in the eastern Region of India is into the manufacturing of valves.

The products are accepted in India and abroad (through 2nd Party) by its buyers, with the quality to the highest level in Precision.

The products are registered with SSI, NSIC, DGS and D.

Products are used with Different Projects such as Steel Plants, Power Plants, Chemical plants, Fertilizers, Coalfield and Atomic Research Centres, PHED and OIL Refinery and other Mines etc.

Our Factory are set up by modern and best quality equipments, along with the necessary testing facilities for physical and chemical in our own Laboratory maintaining the design and drawing and governing every stages from Pattern, Casting Materials, Machining, Lapping (motor Operated) assembling upto the final testing.



DNV

DNV BUSINESS ASSURANCE

MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 5675-2007-AQ-IND-RvA Rev. 02

This is to certify that

KOLEY VALVES CORPORATION

at

9/1, 'Q' Road, Monsatala, P.O.: Dasnagar, Belgachia, Howrah - 711 105, West Bengal, INDIA

has been found to conform to the Quality Management System Standard:

ISO 9001:2008

This certificate is valid for the following scope:

MANUFACTURE OF INDUSTRIAL VALVES LIKE CAST IRON, CAST STEEL, STAINLESS STEEL, GUN METAL VALVES AND BOILER VALVES

Initial Certification date: 27 February 2004

This Certificate is valid until: 26 February 2016

Place and date of issue: Chennai, 19 February 2013

for the Accredited Unit: DET NORSKE VERITAS CERTIFICATION B.V., THE NETHERLANDS

MGMT. SYS. RvA C 074

The audit has been performed under the supervision of

Mohammed Mirajuddin
Lead Auditor

Bhupalam Ajit
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement & the annexure to this certificate may render this Certificate invalid.

The Products carry Consignee Inspection or Third Party Inspection by M/s. LLoyds, MECON, M.N. Dastur, BUREAU VERITAS, RITES & SGS, DGS & D, EIL, MMD and IRS etc.

The Products are approved by Indian Boiler Regulation for Boiler (IBR) regularly and are embossed by Authority, ''The ASHOKA EMBLEM'' Stamp on our Products.

The Products are approved by Tariff Advisory Committee (TAC) for Fire Fighting Line.

The Products are also approved by the Indian Standard Institution for marking ISI Mark on the Product.

Our Products are rendering 40 Years of service to the Nation.

Our Vat no.19690430029 & CST NO. 19690430223

Cast Iron Valves

SLUICE VALVE

- Construction : Bolted Bonnet, inside screwed non-rising spindle
- Body Materials : Cast Iron
- Trims : Bronze / Stainless Steel.
- End Connection : Flanged IS/BS/DIN/ASA/API
- Manufacturing Standard : IS:780, IS:2906 : BS:5150 / BS:1218 / BS:5163 /BS:3464 / DIN:3204

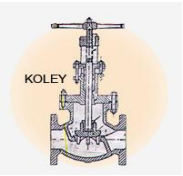
- Pressure Class : PN: 0.4, 0.6, 1.0 & 1.6
  Note : IS:14846 : 200 are also available
- Sizes : 50 mm to 1200 mm
- Other Features : Gear, by-pass, indicator, Head Stock, Extension spindle, Actuator operated, pneumatic operated.

GATE VALVE

- Construction : Bolted Bonnet, Outside screwed rising spindle
- Body Materials : Cast Iron
- Trims : Bronze / Stainless Steel.
- End Connection :Flanged IS/BS/DIN/ASA/API
- Manufacturing Standard :IS:780, IS:2906 : BS:5150 / BS:1218 / BS:5163 / BS:3464 / DIN:3225

- Pressure Class : PN : 0.4, 0.6, 1.0 & 1.6
- Sizes :50 mm to 1200 mm
- Other Features : Gear, by-pass, indicator, Head Stock, Extension spindle. Actuator operated, pneumatic operated.

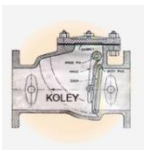
GLOBE VALVE



- Construction : Bolted Bonnet, Outside screwed rising spindle.
- Body Materials : Cast Iron
- Trims : Bronze / Stainless Steel
- End Connection : Flanged IS/BS/DIN/ASA/API
- Manufacturing Standard : IS : 9338 / BS : 1873
- Pressure Class : (PN 1.0 & 1.6)

- Sizes : 15 mm to 300 mm
- Other Features : Gear, by-pass, indicator, Head Stock, Extension spindle. Actuator operated, pneumatic operated.

SWING TYPE CHECK VALVE



- Construction : Bolted Cover, swing type
- Body Materials : Cast Iron
- Trims : Bronze / Stainless Steel.
- End Connection : Flnged IS/BS/DIN/ASA

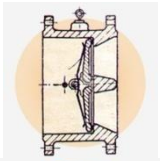
- Manufacturing Standard : IS:5312 (Part-I & Part 2), BS : 4090
- Pressure Class : PN : 0.6, PN : 1.0 & PN : 1.6
- Sizes : 50 mm to 600 mm (Part I) & 600 mm to 1200 mm (Part 2)
- Other Features : By-pass arrangements, Dash-pot arrangements, Lever Weight Mechanism.

PISTON CHECK VALVE

- Construction : Bolted Cover, Piston Lift Type
- Body Materials : Cast Iron
- Trims : Bronze / Stainless Steel.
- End Connection : Flnged IS/BS/DIN/ASA/API
- Manufacturing Standard : IS : 9338
- Pressure Class : PN : 1.0 & 1.6
- Sizes : 15 mm to 300 mm

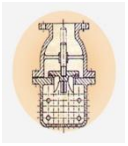
DUAL DISK CHECK VALVE

- Construction : Dual Disk type (Wafer/Flanged)
- Body Materials : Cast Iron / Cast Steel / Stainles Steel
- Trims : Synthetic Rubber / Bronze / Stainless Steel
- End Connection : Flanged BS/DIN/ASA/IS/API
- Manufacturing Standard : API:594
- Pressure Class : 150/300/600/900
- Sizes : 80 mm to 1200 mm



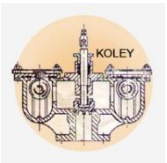
FOOT VALVE

- Construction : Swing / Lift type
- Body Materials : Cast Iron/Cast Steel
- Trims : Leather / Rubber / Bronze / Stainless Steel
- End Connection : Flange IS/BS/DIN/ASA
- Manufacturing Standard : IS:4038
- Pressure Class : PN : 1.0 & 1.6
- Sizes : 50 mm to 300 mm



AIR VALVE

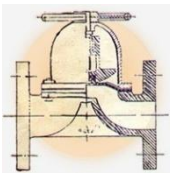
- Construction : Bolted Cover, Double Ball with / without Isolating Valve
- Body Materials : Cast Iron/Cast Steel
- Trims : Bronze / Stainless Steel
- End Connection : Flanged IS/BS/ASA
- Manufacturing Standard : Maker's Standard (Similar to G & K as per IS 14845:2000)
- Pressure Class : PN : 1 & 1.6
- Sizes : 25 mm to 200 mm



SAFETY VALVE

- Construction **:** Spring Loaded Angle pattern, Bolted Bonnet
- Body Materials **:** Cast Iron/Cast Steel
- Trims **:** Bronze / Stainless Steel
- End Connection **:** Flanged IS/BS/ASA
- Manufacturing Standard **:** Maker's Standard
- Pressure Class **:** PN : 1.0 & 1.6
- Blow-Off-Pressure : 0 to 150 Psi upo 200 mm sizes o to 100 Psi above 200 mm sizes
- Sizes **:** 15 mm to 300 mm

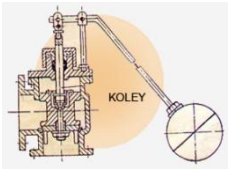
DIAPHRAGM VALVE



- Construction **:** Bolted Cover, Weir type, Straight type
- Body Materials **:** Cast Iron, Cast steel, SG Iron
- Trims **:** Bronze
- DI Diaphragm : Rubber / Neoprene / P.T.F.E.
- Lining Material : Rubber / Neoprene / Ebonite / Hypoln, Viton
- End Connection **:** Flanged IS/BS/DIN/ASA Screwed BSP / NPT
- Manufacturing Standard **:** As per BS-5156
- Pressure Class: From size 1" to 4" (10kg seat - 15kg Body)
- Pressure Class: From size 5" to 6" (5kg seat - 7kg Body)
- Pressure Class: From size 8" to 12" (3.5kg seat - 5kg Body)
- Sizes **:** 15 mm to 300 mm

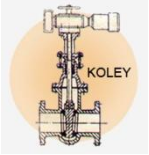
  The Valves Hydro Testing is done as per SAUNDERS Book

FLOAT VALVE



- Construction **:** Bolted Cover, Angle Pattern
- Body Materials **:** Cast Iron / Cast Steel
- Trims **:** Bronze / Stainless Steel / PVC
- Lever, Fulcrum : Mild Steel (Galvanised)
- Float : Copper / Stainless Steel
- End Connection **:** Flanged IS/BS/DIN/ASA
- Manufacturing Standard **:** Maker's Standard (Similar to G & K)
- Pressure Class **:** PN : 1.0 & 1.6
- Sizes **:** 25 mm to 300 mm
- Special Features **:** Pilot Operated

MOTORISED GATE VALVE



- Construction **:** Bolted Bonnet, inside Screwed non-rising Spindle / Outside Scred Rising Spindle
- Body Materials **:** Cast Iron/Cast Steel
- Trims **:** Bronze / Stainless Steel
- End Connection **:** Flanged IS/BS/DIN/ASA

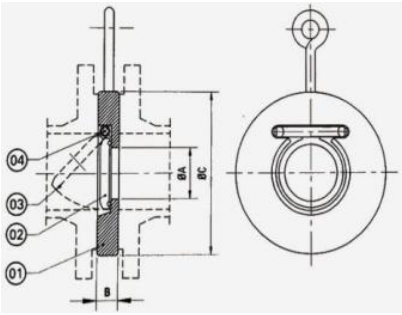
- Manufacturing Standard **:** IS:780 /IS:2906 / BS : 5150
- Pressure Class **:** PN 0.4, 0.6, 1.0 & 1.6
- Sizes **:** 50 mm to 1200 mm
- Details **:** Beacon-Rotrok / Limitorque Equivalent

BUTTERFLY VALVE

- Construction **:** Tight Shut-off / Low-leakage type
- Body Materials **:** Cast Iron / Cast Steel / Pneumatics Operated
- Trims **:** Bronze / Stainless Steel / Rubber
- End Connection **:** Wafer / Flanged to IS/BS/DIN/ASA
- Manufacturing Standard **:** AWWA-C-504/BS. 5155 / IS : 13095
- Pressure Class **:** PN : 1.0 & 1.6
- Sizes **:** 50 mm to 1500 mm
- Details **:** Gear arrangement / Motor Operated /Body Matter

WAFER TYPE CHECK VALVE

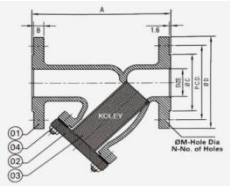
- Design & Manufacturing Std. : API 6D / ANSI B 16.34
- Testing & Inspection Std. : API 598
- Pressure Class : PN 10/PN 16
- Note : ØC = "E" Table or "F" Table



Sr. No.	Parts Name	Material	Qty.
01	Body	CI./M.S./S.S.202/304/316	1
02	Disc	CI./M.S./S.S.202/304/316	1
03	'0' Ring	Nitrile, EPDM, VTION, Silicone, PTFE	1
04	Hinge	AISI 304,316, M.S.	1
Primary Service Rating & Test Pressure			
Class	Working Temperature	Body	Seat
150	20°C to 180°C	225 PSIG	150 PSIG

Size		Dimension		Ø c	
Inch	MM.	Ø A	B	“E"	“F"
1.1/2"	40	12.5	18	74	92
2"	50	25	18	94	109
2.1/2"	65	32	18	110	129
3"	80	45	18	125	144
4"	100	68	18	155	164
5"	125	85	18	184	194
6"	150	110	18	210	219
8"	200	157	25	260	274
10"	250	195	25	305	330
12"	300	230	25	357	380

Y- TYPE STRAINER (FLANGE END)



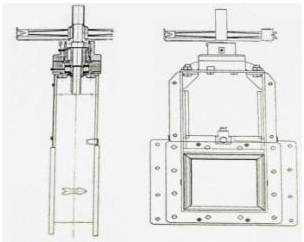
- Face to Face : As per DIN ND-40 Type/ANSI B 16-10
- End Connections : Flanged as per ANSI B 16.5
- Shell Wall Thickness : ANSI B 16.34

Sr. No.	Parts Name	Material	Qty
01	Body	ASTM A 216 Gr. WCB / CF8 / CF8M / C I.	1
02	Cover	ASTM A 216 Gr. WCB / CF8 / CF8M / C 1.	1
03	Screen	S.S. 304/S.S.316	1
04	Cover Stud & Nut	ASTM A 193 Gr. B7 and ASTM A 194 Gr. 2H	-

Class 150							
Size	A	B	ØC	ØD	ØM	N	RC.D.
25	127	11	51	108	16	4	79
40	165	14	73	127	16	4	98.5
50	178	16	92	152	19	4	120.5
65	190	17.5	105	178	19	4	140
80	203	19	127	190.5	19	4	152.4
100	229	24	157	229	22	8	190.5
150	267	25	216	279	22	8	241
200	495	28.5	270	343	22	8	298.4
250	622	30	324	406	25	12	362

Size	A	B	ØC	ØD	ØM	N	P. CD.
25	160	18	58	115	14	4	85
40	200	18	38	150	18	4	110
50	230	20	102	165	18	4	125
65	290	22	122	1S5	18	8	145
80	310	24	138	200	18	8	160
100	350	24	162	235	23	8	190
150	480	28	218	300	27	8	250
200	600	35	285	375	30		320
250	730	38	345	450	30	12	385

KNIFE GATE VALVE



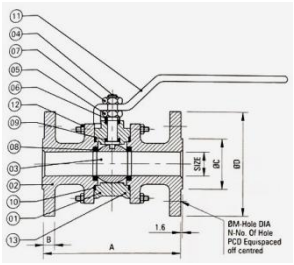
Model			Test Pressure		Seat Ring	Max Operating Pressure	Max Operating Temp	Rate of Leakage at seat
			Body Seat					WTP 2.8 kgf/cm2
50-600 mm	Standard MSS SP81	ANSI 8-16.1 125 lbs and B16.5- 150 lbs. ND-10	WTP 11 kgf /cm2	WTP 28 kgf /cm2	SS304	10 kgf /cm2	350°C	40 cc/mm/in.
					SS316		350°C	40 cc/mm/in.
					NBR EPDM		80°C 100°C	Tight Shut off
					PTFE		230°C	40 cc/mm/in.

SPARES	SPECIFICATION
Hand Chain	STEEL
Grease Cap	STEEL
Spring washer	SI 3063, Type-B
Hex Bolt	IS: 1363
External Circlip	IS.3075. Part-I
Feather Key	EN-9.BS 970

Feather Key	EN-9.BS 970
Chain Guide	MS. IS 2062. Gr. A
Chain Wheel	MS, IS 2062. Gr. A
Driving Pad	MS. IS 2062, Gr. A
Bearing	BRONZE
Ring	MS, IS 2062. Gr. A
Drive Case	MS. IS 2062. Gr. A
Spindle	EN-8.BS 970
Gale Plate	SS J04
Valve Body	MS. IS 2062. Gr. A

Ball Valves Three Piece (Flanged End)

- Design & Manufacturing Std. : BS 5351, API 6 D
- Testing & Inspection Std. : API 598/ BS 5146
- Face to Face : As per ANSI B 16.10
- End Connections : Flanged as per ANSI B 16.5



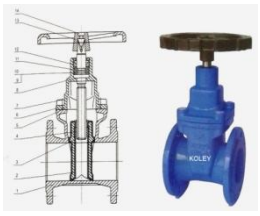
Parts Name	Material	Qty
Body	CI./C.S./M.S./S.S. 202/304/316	1
Body Connector	C.I, /CS./ M.S./ S.S. 202/304/316	2
Ball	S.S. 202/304/316	1
Stem	S.S. 202/304/316	1
Gland Nut	S.S. 202 / 304/316/ M.S.	1
Gland Bush	S.S. 202/304/316/M.S.	1
Lock Nut	S.S. 202/304/316/M-S.	1
Seat Ring	PTFE	2
Stem Seal	PTFE	2
Body Sealant Ring	PTFE	2
Lever	M.S./S.S. 304/S.S.316	1
Stud & Nut	M.S. / S.S.	-

Size		Class - 150#						
Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
1/2'	15	108	10.0	35	89.0	16	4	60.4
3/4'	20	118	10.5	43	98.0	16	4	69.8
r	25	127	11.0	51	108.0	16	4	79.2
1.1/4"	32	140	12.7	64	117.0	16	4	88.9
1.1/2"	40	165	14.2	73	127.0	16	4	98.5
r	50	178	15.7	92	152.0	19	4	120.6
2.1/2"	65	191	17.5	105	178.0	19	4	139.7
3"	80	203	19.0	127	190.5	19	4	152.4
4"	100	229	24.0	157	229.0	19	8	190.5
5"	125	254	24.0	186	254.0	22	8	215.9
6"	150	267	25.5	216	279.0	22	8	241.3
8"	200	292	29.0	270	343.0	22	8	298.4

Size		Class - 300#						
Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
VI'	15	140.0	14.2	35	95.0	16	4	66.5
3/4*	20	152.0	15.7	43	117.0	19	4	82.5
1"	25	165.0	17.5	51	124.0	19	4	88.9
1.1/4"	32	178.0	19.0	64	133.0	19	4	98.5
1.1/2"	40	190.5	20.5	73	155.0	22	4	114.3
2"	50	216.0	22.0	92	165.0	19	8	127.0
2.1/2"	65	241.0	25.0	105	190.5	22	8	149.3
3"	80	282.5	28.5	127	209.5	22	8	168.0
4"	100	305.0	32.0	157	254.0	22	8	200.0

Resilient Seated Flange Gate Valve

- Design & Manufacturing Std. : BS 5351, API 6 D
- Testing & Inspection Std. : API 598/ BS 5146
- Face to Face : As per ANSI B 16.10
- End Connections : Flanged as per ANSI B 16.5



BS Series

DN	H	T	BS5163	EN1092											
				D		F		S		B	C		N-d	
			L	1.0MPa	1.6MPa	1.0MPa	1.6MPa	1.0MPa	1.6MPa		1.0MPa	1.6MPa	1.0MPa	1.6MPa
40	350	14	165	150		110		84		3	19		4-19	
50	365	14	178	165		125		99		3	19		4-19	
65	380	17	190	185		145		118		3	19		4-19	
80	425	17	203	200		160		132		3	19		4-19	8-19
100	470	19	229	220		180		156		3	19		8-19	
125	485	19	254	250		210		184		3	19		8-19	
150	595	19	267	285		240		211		3	19		8-23	
200	725	24	292	340		295		266		3	20		8-23	12-23
250	835	27	330	395	400	350	355	319		3	22		12-23	12-28
300	910	27	356	445	455	400	410	370		4	24.5		12-23	12-28
350	1020	32	381	505	520	460	470	429		4	24.5	26.5	16-23	16-28
400	1110	36	406	565	580	515	525	480		4	24.5	28	16-28	16-31
450	1200	36	432	615	640	565	585	530	548	4	25.5	30	20-28	20-31
500	1300	42	457	670	715	620	650	582	609	4	26.5	31.5	20-28	20-34
600	1500	48	508	780	840	725	770	682	720	5	30	36	20-31	20-37

DIN Series

DN	H	T	DIN3202		DIN2501						B	C		N-d	
			F4	F5	D		F		S						
			L		1.0MPa	1.6MPa	1.0MPa	1.6MPa	1.0MPa	1.6MPa		1.0MPa	1.6MPa	1.0MPa	1.6MPa
40	350	14	140	240	150		110		84		3	19		4-19	
50	365	14	150	250	165		125		99		3	19		4-19	
65	380	17	170	270	185		145		118		3	19		4-19	
80	425	17	180	280	200		160		132		3	19		8-19	
100	470	19	190	300	220		180		156		3	19		8-19	
125	485	19	200	325	250		210		184		3	19		8-19	
150	595	19	210	350	285		240		211		3	19		8-23	
200	725	24	230	400	340		295		266		3	20		8-23	12-23
250	835	27	250	450	395	405	350	355	319		3	22		12-23	12-28
300	910	27	270	500	445	460	400	410	370		4	24.5		12-23	12-28

PLUG VALVE

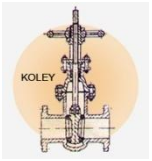
With our in-depth knowledge and experience of this industry, we are engaged in providing an excellent range of **Plug Valve**. Using quality assured raw material and innovative technology in adherence to predefined industry standards and norms, this valve is perfectly manufactured under the direction of our diligent engineers. The provided valve is broadly used in several machines as a component. Widely acknowledged for its accurate dimension, this valve is available at a reasonable price.

Features:

- Sturdiness
- Maintenance free
- Precisely designed

Cast Steel Valves

GATE VALVE

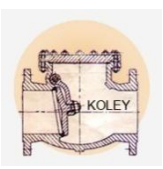


- Construction **:** Bolted Bonnet, Outside Screwed Rising Spindle
- Body Materials **:** Cast Carbon Steel
- Trims **:** Stainless Steel.
- End Connection **:**Flanged BS/ASA/DIN/API
- Manufacturing Standard **:** BS1414
- Pressure Class **:** ASA : Class-150, Class 300, Class 150/300/600
- Sizes **:** 50 mm to 600 mm
- Other Features **:** Gear Operation, by-pass arrangement, Head-Stock with Extension Spindle, Motor Actuation, Flexi wedge.

GLOBE VALVE

- Construction **:** Bolted Bonnet, Outside Screwed Rising Spindle
- Body Materials **:** Cast Carbon Steel
- Trims **:** Stainless Steel
- End Connection **:** Flanged BS/ASA/DIN
- Manufacturing Standard **:** BS - 1873/API
- Pressure Class **:** ASA : Class-150, Class 300, Class 150/300/600
- Sizes **:** 50 mm to 300 mm
- Other Features **:** Gear Operation, Motor Actuation, By-pass arrangment.

CHECK VALVE



- Construction **:** Bolted Cover, Swing Type
- Body Materials **:** Cast Carbon Steel
- Trims **:** Stainless Steel
- End Connection **:** Flanged BS/DIN/ASA
- Manufacturing Standard **:** BS 1868 / API

- Pressure Class **:** ASA : Class 150, Class 300, Class 150/300/600
- Sizes **:** 50 mm to 600 mm
- Other Features **:** By-pass arrangement Antis lamming Device.

Y- TYPE STRAINER (FLANGE END)

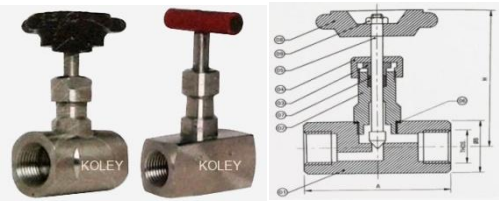
- Face to Face : As per DIN ND-40 Type/ANSI B 16-10
- End Connections : Flanged as per ANSI B 16.5
- Shell Wall Thickness : ANSI B 16.34

Sr. No.	Parts Name	Material	Qty
01	Body	ASTM A 216 Gr. WCB / CF8 / CF8M / C I.	1
02	Cover	ASTM A 216 Gr. WCB / CF8 / CF8M / C 1.	1
03	Screen	S.S. 304/S.S.316	1
04	Cover Stud & Nut	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H	-

Class 150							
Size	A	B	ØC	ØD	ØM	N	RC.D.
25	127	11	51	108	16	4	79
40	165	14	73	127	16	4	98.5
50	178	16	92	152	19	4	120.5
65	190	17.5	105	178	19	4	140
80	203	19	127	190.5	19	4	152.4
100	229	24	157	229	22	8	190.5
150	267	25	216	279	22	8	241
200	495	28.5	270	343	22	8	298.4
250	622	30	324	406	25	12	362

Size	A	B	ØC	ØD	ØM	N	P. CD.
25	160	18	58	115	14	4	85
40	200	18	38	150	18	4	110
50	230	20	102	165	18	4	125
65	290	22	122	1S5	18	8	145
80	310	24	138	200	18	8	160
100	350	24	162	235	23	8	190
150	480	28	218	300	27	8	250
200	600	35	285	375	30		320
250	730	38	345	450	30	12	385

NEEDLE VALVE

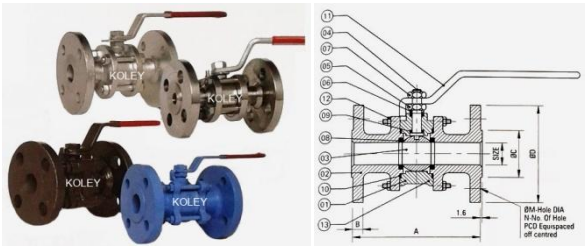


Sr. No.	Parts Name	Material	Qty.
01	Body	S.S. 202 /S.S. 304/S.S. 316	1
02	Bonnet	S.S. 202 / S.S. 304 / S.S. 316	1
03	Gland	S.S. 202 / S.S. 304 / S.S. 316	1
04	Gland Nut	S.S. 202 / S.S. 304 / S.S. 316	1
05	Stem	S.S. 202 / S.S. 304 / S.S. 316	1
06	Body Gasket	PTFE	-
07	Gland Packing	PTFE	1
08	Hand Wheel	Backlite	1
09	Hand Wheel Nut	M.S.	1

Size NB	A	THDS-BSP	H	ØB
8/10	50	1/4"-3/8"	70	27
15	50	1/2"	70	31
20	63	3/4"	90	39
25	70	1"	95	45
40	85	1 1/2"	120	65
50	90	2''	130	75

Ball Valves Three Piece (Flanged End)

- Design & Manufacturing Std. : BS 5351, API 6 D
- Testing & Inspection Std. : API 598/ BS 5146
- Face to Face : As per ANSI B 16.10
- End Connections : Flanged as per ANSI B 16.5



Parts Name	Material	Qty
Body	CI./C.S./M.S./S.S. 202/304/316	1
Body Connector	C.I, /CS./ M.S./ S.S. 202/304/316	2
Ball	S.S. 202/304/316	1
Stem	S.S. 202/304/316	1
Gland Nut	S.S. 202 / 304/316/ M.S.	1
Gland Bush	S.S. 202/304/316/M.S.	1
Lock Nut	S.S. 202/304/316/M-S.	1
Seat Ring	PTFE	2
Stem Seal	PTFE	2
Body Sealant Ring	PTFE	2
Lever	M.S./S.S. 304/S.S.316	1
Stud & Nut	M.S. / S.S.	-

Size		Class - 150#						
Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
1/2'	15	108	10.0	35	89.0	16	4	60.4
3/4'	20	118	10.5	43	98.0	16	4	69.8
r	25	127	11.0	51	108.0	16	4	79.2
1.1/4"	32	140	12.7	64	117.0	16	4	88.9
1.1/2"	40	165	14.2	73	127.0	16	4	98.5
r	50	178	15.7	92	152.0	19	4	120.6
2.1/2"	65	191	17.5	105	178.0	19	4	139.7
3"	80	203	19.0	127	190.5	19	4	152.4
4"	100	229	24.0	157	229.0	19	8	190.5
5"	125	254	24.0	186	254.0	22	8	215.9
6"	150	267	25.5	216	279.0	22	8	241.3
8"	200	292	29.0	270	343.0	22	8	298.4

Size		Class - 300#						
Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
VI'	15	140.0	14.2	35	95.0	16	4	66.5
3/4*	20	152.0	15.7	43	117.0	19	4	82.5
1"	25	165.0	17.5	51	124.0	19	4	88.9
1.1/4"	32	178.0	19.0	64	133.0	19	4	98.5

Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
1.1/2"	40	190.5	20.5	73	155.0	22	4	114.3
2"	50	216.0	22.0	92	165.0	19	8	127.0
2.1/2"	65	241.0	25.0	105	190.5	22	8	149.3
3"	80	282.5	28.5	127	209.5	22	8	168.0
4"	100	305.0	32.0	157	254.0	22	8	200.0

Hammer Bliend Valve

- FACE TO FACE - ANSI BI6.I0 / BS:2080
- FLANGED ENDS AS PER ANSI B16.5 OR CUSTOMERS' REQUIREMENTS
- VALVES SIZE 350MM AND ABOVE ARE GENERALLY FITTED WITH BEVEL GEAR FOR EASY OPERATION
- TESTING STANDARD - API - 598 / BS:5I46

PARTS NAME	CARBON STEEL	STAINLESS STEEL	
	WCB	CF8	CF8M
BODY	ASTM A 216 GR.WCB	CF8	CF8M
SEAT RING	13% Cf. S.S. A 182 F6o	INTEGRALLY	
PILLER (BOIH SIDE)	BS:970 EN-19	AISI-304	AISI-316
BRIDGE	ASTM A 216 GR.WCB	CF8	CF8M
PARTS NAME	**CARBON STEEL**	**STAINLESS STEEL**	
FORK	ASTM A 216 GR.WCB	CF8	CF8M
SPINDLE	13% Cr, S.S. AISI-410	AISI-304	AISI-316
SOLID WEDGE	ASTM A 216 GR.WCB	CF8	CF8M
HOLLOW WEDGE	ASTM A 216 GR.WCB	CFB	CF8M
WEDGE RING	SYNTHETIC RUBBER OR PTFE	INTEGRALLY/PTFE	
WEDGE HOLDER	13% Cr. S.S. AISI-410	AISI-304 | AISI-316	
SLEEVE	BRONZE IS : 318 LTB-2		
HANDWHEEL	ASTM A 216 GR.WCB	WCB	WCB
HANDWHEEL NUT	A194 GR. 2H	A194-2H	A194-2H
SLEEVE NUT	A194 GR. 2H	A194-2H	A194-2H
DRAIN PLUG	13% Cl. S.S. AISI-410	AISI-304	AISI-316
LOCKING ARM	ASTM A 216 GR.WCB	AISI-304	AISI-316
HINGE PIN	13% Cr. S.S. AISI-410	AISI-304	AISI-316
SPINDLE PIN	13% Cr. S.S. AISI-410	AISI-304	AISI-316
RATCHET	CARBON STEEL CADMIUM-PLATED		

CLASS - 150														
SIZE		50	SO	100	150	200	250	300	350	400	450	500	600	650	700
FACE TO FACE		178	203	229	267	292	330	356	381	406	432	457	508	559	610
H	CLOSE	410	515	600	735	920	1035	1235	1315	1385	1530	1650	1945	2070	2190
	OPEN	520	660	770	945	1175	1340	1605	1715	1825	2030	2180	2610	2760	2910
W Ø		200	250	300	300	350	400	500	500	300	300	300	500	500	500

CLASS - 300												
SIZE		50	60	100	150	200	250	300	350	400	450	500
FACE TO FACE		216	283	305	403	419	457	502	762	838	914	991
H	CLOSE	410	515	600	735	920	1035	1235	1350	1400	1550	1700
	OPEN	520	660	770	945	1175	1340	1605	1750	1825	2050	2250
W Ø		200	250	300	400	500	500	610	610	610	610	610

Plug Valve

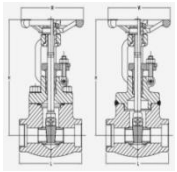
With our in-depth knowledge and experience of this industry, we are engaged in providing an excellent range of **Plug Valve**. Using quality assured raw material and innovative technology in adherence to predefined industry standards and norms, this valve is perfectly manufactured under the direction of our diligent engineers. The provided valve is broadly used in several machines as a component. Widely acknowledged for its accurate dimension, this valve is available at a reasonable price.

Features:

- Sturdiness
- Maintenance free
- Precisely designed

Forged Steel Valves

GATE VALVE



- Construction : Bolted Bonnet, Outside Screwed Rising Spindle
- Body Materials : Forged Carbon Steel
- Trims : Stainless Steel
- End Connection : Screwed BS/NPT/IS:554 Socket-Weld BS/ANSI
- Manufacturing Standard : API 600/602/BS 1414
- Pressure Class : Class 800 / 1500 / 2500
- Sizes : 6 mm to 50 mm
- Other Features : Stellited Trim

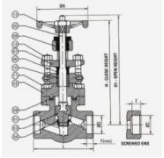
Dimension Table

VALVE SIZE (mm)	08	10	16	20	25	40	50
L	85	85	85	90	103	128	142
'H' app	165	165	165	175	215	270	285
Ø K app	95	95	95	95	105	150	150
Ø P	6.4	6.4	9.5	12.7	17.5	28.6	36.5
Wt. kg app.	2.0	2.0	2.0	2.5	3.5	7.5	9.0

Material Specification

PARTS	MATERIAL		
BODY	A 105	F 304	F 316
BONNET	A 105	F 304	F 316
WEDGE	13% Cr.	304	316
SEAT	13% Cr.	304	316
SPINDLE	410	304	316
GLAND BUSH	410	304	316
GLAND FLANGE	A 105	F 304	
YOKE SLEEVE	ASTM A 439 Gr.D2/ AL -BRONZE		
HAND WHEEL	CAST STEEL		
HAND WHEEL NUT	Gr.2H		
COLLAR BOLT / STUD & NUT	B7/ 2H	B8 / 8 OR B7/ 2H	
EYE BOLT & NUT	B7/ 2H	B8 / 8	
GASKET	SPW S.S 304/316 WITH CRAF / GRAFOIL		
GLAND PACKING	GRAOHITE ASBESTOS INHIB. & INCONEL WIRE REIN.		
WASHER	STEEL		
BEARING WASHER	HARDENED	304	

GLOBE VALVE



- Construction **:** Bolted Bonnet, Outside Screwed Rising Spindle
- Body Materials **:** Forged Carbon Steel
- Trims **:** Stainless Steel
- End Connection **:** Screwed BS/NPT/IS:554 Socket-weld BS/ANSI
- Manufacturing Standard **:** BS : 5352/1873
- Pressure Class **:** Class 800
- Sizes **:** 6 mm to 50 mm
- Other Features **:** Stellited trim

Material Specification

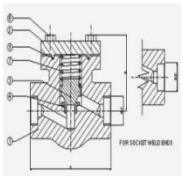
Parts Name	Material	Qty.
Body	ASTM A 10S/F1 WF22;F304/F3l6	1
Bonne!	ASTM A 105.F1 1/F22/F304 F31 6	1
Due	AISI 410/304/316	1
Seat Ring	AISI 410/304/316	1
Spindle	AISI 410/ 304 316	1
Gland	AJSI410/304/316	1
Gland Range	ASTM A105/Carbon Steel I/F 304	1
Stem Nut	NI-Rest-A 439 Gr. D2/FN 1A	1
Sonnet Gasket	Asbestos filler SS 304 Spiral Wounded	1
Gland Packing	Graphited Asbestos with S. S Wire	Req.
Sonnet Bolts	ASTM A 193 Gr B7/ B8	4
Eye Bolt & Nut	Carbon Steel / SS 304	2 Set
Hand Wheel	CL/M.S./D I,	1

Dimension Table

Class - 800 #									
Size	L	H	H1	Ø A	Scr. Ends		SW Ends		
							Ø D		
					Ø C	E	Max.	Mm.	F(Min)
15	85	162	170	90	1/2'	13.56	22.22	21.72	9.65
20	92	170	180	90	3/4"	13.87	27.56	27.05	12.70
25	105	190	202	90	1"	17.35	34.29	33.78	12.70
40	127	213	260	145	1.1/2"	18.38	49 !5	48.64	12.70
50	140	255	272	145	2"	19.23	61.62	61.11	15.75

CHECK VALVE

- Construction **:** Bolted Cover, Lift Type
- Body Materials **:** Forged Carbon Steel
- Trims **:** Stainless Steel
- End Connection **:** Screwed BS/NPT/IS : 554 Socket-weld BS/ANSI
- Manufacturing Standard **:** BS 5352/1868
- Pressure Class **:** ASA : Class 800
- Sizes **:** 6 mm to 50 mm
- Other Features **:** Stellited trim



Dimension Table

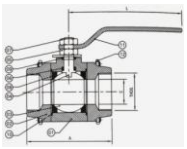
VALVE SIZE (mm)	08	10	15	20	25	40	50
L	85	85	85	90	103	128	142
'H' app	60	60	60	70	80	105	115
Ø P		6.0	9.0	12.0	17.5	29.5	35.0
Wt. kg app.	1.5	1.5	1.5	2.0	2.5	6	8

Material Specification

PARTS	**MATERIAL**		
BODY	A 105	F 304	F 316
PLUG	13% Cr.	304	316
SEAT	13% Cr.	304	316
COVER	A 105	F 304	F 316
COLLAR BOLT / STUD & NUT	B7/ 2H	B8 / 8 OR B7/ 2H	
GASKET	SPW S.S 304/316 WITH CRAF / GRAFOIL		

Forged Steel Ball Valve 3 piece (Screwed End)

- Design Manufacturing Std. : BS 5351, API 602
- Testing & Inspection Std. : API 598/ BS 5146
- End Connections : Screwed BSP/BSPT/NPT/Socket Weld

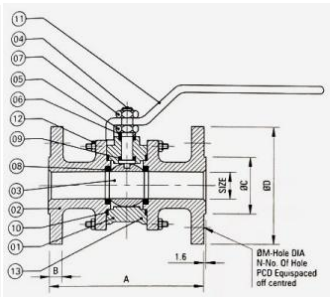


Parts Name	Material	Qty.
Body	A 105/304/316	1
Body Connector	A 105/304/316	2
Ball	S.S. 304/316	1
Stem	S.S. 304/316	1
Gland Nut	S.S. 304/ 316	1
Gland Bush	PTFE	1
Lock Nut	S.S. 304/316/M.S.	1
Seat Ring	PTFE	2
Stem Seal	PTFE	2
Body Sealent Ring	PTFE	2
Lever	M.S. / S.S.	1
Stud & Nut	193 B7/S.S.	4

Class - 800				
Size	A	ØC	L	THDS.BSP/ BSPT/NPTSW
15	85	12.5	125	1/2"
20	85	12.5	125	3/4"
25	105	18	155	1"
40	125	32	230	1.1/2"
50	130	38	230	2"

Ball Valves Three Piece (Flanged End)

- Design & Manufacturing Std. : BS 5351, API 6 D
- Testing & Inspection Std. : API 598/ BS 5146
- Face to Face : As per ANSI B 16.10
- End Connections : Flanged as per ANSI B 16.5



Parts Name	Material	Qty
Body	CI./C.S./M.S./S.S. 202/304/316	1
Body Connector	C.I, /CS./ M.S./ S.S. 202/304/316	2
Ball	S.S. 202/304/316	1
Stem	S.S. 202/304/316	1
Gland Nut	S.S. 202 / 304/316/ M.S.	1
Gland Bush	S.S. 202/304/316/M.S.	1
Lock Nut	S.S. 202/304/316/M-S.	1
Seat Ring	PTFE	2
Stem Seal	PTFE	2
Body Sealant Ring	PTFE	2
Lever	M.S./S.S. 304/S.S.316	1
Stud & Nut	M.S. / S.S.	-

Size		Class - 150#						
Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
1/2'	15	108	10.0	35	89.0	16	4	60.4
3/4'	20	118	10.5	43	98.0	16	4	69.8
r	25	127	11.0	51	108.0	16	4	79.2
1.1/4"	32	140	12.7	64	117.0	16	4	88.9
1.1/2"	40	165	14.2	73	127.0	16	4	98.5
r	50	178	15.7	92	152.0	19	4	120.6
2.1/2"	65	191	17.5	105	178.0	19	4	139.7
3"	80	203	19.0	127	190.5	19	4	152.4
4"	100	229	24.0	157	229.0	19	8	190.5
5"	125	254	24.0	186	254.0	22	8	215.9
6"	150	267	25.5	216	279.0	22	8	241.3
8"	200	292	29.0	270	343.0	22	8	298.4

Size		Class - 300#						
Inch	M.M.	A	B	ØC	ØD	ØM	N	PCD
VI'	15	140.0	14.2	35	95.0	16	4	66.5
3/4*	20	152.0	15.7	43	117.0	19	4	82.5
1"	25	165.0	17.5	51	124.0	19	4	88.9
1.1/4"	32	178.0	19.0	64	133.0	19	4	98.5
1.1/2"	40	190.5	20.5	73	155.0	22	4	114.3
2"	50	216.0	22.0	92	165.0	19	8	127.0
2.1/2"	65	241.0	25.0	105	190.5	22	8	149.3
3"	80	282.5	28.5	127	209.5	22	8	168.0
4"	100	305.0	32.0	157	254.0	22	8	200.0

Bronze Boiler Valves

SUPPLIED WITH IBR TEST CERTIFICATE IN FORM III-C, ISSUED BY THE CHIEF INSPECTOR OF BOILERS, WEST BENGAL

BRONZE HORIZONTAL LIFT CHECK VALVES

- Figure No. : 9000
- Sizes : 15 mm - 50 mm
- Description : Bronze lift type Check/Non-return Valve screwed bonnet and screwed end valves are supplied generally with BSP parallel threads for steam. The renewable body, seat and value will be made of stainless steel AISI-410.

- Materials :The body & bonnet will be made from Bronze conforming IBR 282(a) (IV) Grade-B.
- Test Certificate : The valves are hydraulically tested to 35 kg. / cm2 (500 lbs PSIG) and are suitable for maximum working pressure of 17.5 kg. / cm2 (250 PSIG) and temperature upto 4280 F (2200 C), The IBR Test Certificate in FORM III-C issued by the Chief Inspector of Boilers, West Bengal will be furnished with the materials.

BRONZE HORIZONTAL LIFT CHECK VALVES

- Figure No. : 9005
- Sizes : 15 mm - 50 mm
- Description : Bronze lift type Check/Non-return Valve screwed bonnet and flanges as per B.S. 10 Table-H for steam. The renewable body, seat and value will be made of stainless steel AISI-410.

- Materials : The body & bonnet will be made from Bronze conforming to IBR 282 (a) (IV) Grade-B.
- Test Certificate : The valves are hydraulically tested to 35 kg. / cm2 (500 lbs PSIG) and are suitable for maximum working pressure of 17.5 kg. / cm2 (250 PSIG) and temperature upto 4280 F (2200 C), The IBR Test Certificate in FORM III-C issued by the Chief Inspector of Boilers, West Bengal will be furnished with the materials.

BRONZE STEAM STOP VALVES

- Figure No. : 9100
- Sizes : 15 mm - 50 mm
- Description : Bronze Globe Steam Stop Valve screwed bonnet inside screwed rising to be operated by handwheel. the value will have screwed female ends as per BSP parallel thread. The renewable body seat, valve and spindle will be made of stainless steel AISI-410. The valves have back seat provision so that the gland can be re-packed even if the valve is fully open.

- Materials : The body & bonnet will be made from Bronze conforming IBR 282 (a) (IV) Grade-B.
- Test Certificate : The valves are hydraulically tested to 35 kg. / cm2 (500 lbs PSIG) and are suitable for maximum working pressure of 17.5 kg. / cm2 (250 PSIG) and temperature upto 4280 F (2200 C), The IBR Test Certificate in FORM III-C issued by the Chief Inspector of Boilers, West Bengal will be furnished with the materials.

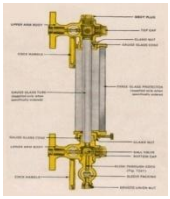
BRONZE STEAM STOP VALVES

- Figure No. : 9104
- Sizes : 15 mm - 50 mm
- Description : Bronze Globe Steam Stop Valve screwed bonnet having inside screwed rising spindle to be operated by handwheel. Flanges as per BS 10 Table 'H'. The renewable body seat, valve and spindle will be made of stainless steel AISI-410. The valves have back seat provision so that the gland can be re-packed even if the valve is fully open.

- **Materials :** The body & bonnet will be made from Bronze conforming IBR 282 (a) (IV) Grade-B
- **Test Certificate :** The valves are hydraulically tested to 35 kg. / cm2 (500 lbs PSIG) and are suitable for maximum working pressure of 17.5 kg. / cm2 (250 PSIG) and temperature upto 4280 F (2200 C), The IBR Test Certificate in FORM III-C issued by the Chief Inspector of Boilers, West Bengal will be furnished with the materials.

BRONZE SLEEVE PACKED WATER GAUGES

- Figure No. : Hand of Set
- 9093 LH
- 9094 RH



Fire Fighting Equipments

Stand Post Type Water and Foam Monitor

TECHNICAL SPECIFICATIONS
As Per IS: 8442

Application

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

Design & Construction	As Per IS:8442
Material	Seamless Mild Steel Tubes
Size of Monitor	63 mm
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/mm2 at Nozzle End
Leakage Pressure	To withstand a pressure of 2.3 N/mm2

Fire Man's Axe

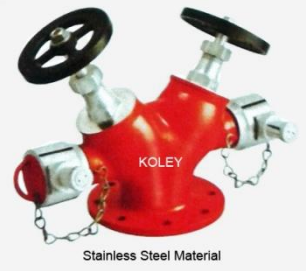
Application: Its primary use is tor breaking down doors and windows & cut Electrical Wires in case of Ftreor Emergency.

Specification: As Per IS: 926-1985
CONSTRUCTION
Material:

- Axe Head - Made up from Forged Steel
- Axe Handle - Made up from Steel
- Handle - Heavily Insulated Rubber Handle Tested to 20000 Volts
- Handle Colour - Black
- Handle Grip - Non-Slippery

Double Outlet Landing Valve (Type 'B')

TECHNICAL SPECIFICATIONS
Size : 63mm/ 75mm / 80mm
Inlet : 4* NB Flanged
Outlet : Female Instanceneous
Material : Gun Metal / Stainless steel
Conforming Specification : IS 5290
Performance Test :
Hydrostatic Test (Body Test) - Tested at 23 kgf/cm^2
Water Tightness (Seat Test) - Tested at 14 kgf/cm^2
Flow Test - 1800LPM discharge at 7 kgf/cm^2
Hand Wheel : Grey Cast Iron
Halogram : Sticker stuck on Landing Valves



Oblique Type Landing Valve (Type'A')

TECHNICAL SPECIFICATIONS
Size : 63mm/ 75mm/ 80mm
Inlet : 3' NB Flanged
Outlet : Female Instantaneous
Material : Gun metal/ Stainless Steel
Confoimmg Specification : IS 5290. Type 'A'
Performance Test :
Hydrostatic Tosi (Body Tost) Tested at 23 kgf/cm^2
Water tightness (Scat Tost) Tosled at 14 kgf/cm^2
Flow Test 900 LPM discharge at 7 kgf/cm^2
Other Range : 38mm/ 50mm
Hand Wheel : Grey Cast Iron
Halogram : Sllckof sluck on Landing Valve

Branch Pipe/Nozzles

TECHNICAL SPECIFICATIONS
Size of Branch Pipe : 63mm
Size of Nozzles : 6mm. 12mm. 15mm. 20mm and 25mm
Material : Gun metal/ Stainless Steel / Alummiun Alloy
Conforming Specification : IS 903
Performance Test :
Hydrostatic Test (Body Test): Tested at 21 kgf/cm^2
Working Pressure: 7 kgf/cm^2
Other Range : 52mm and 38mm
Finish: Natural Polished
Halogram : Sticker stuck on Nozzle

Couplings and Adapters

TECHNICAL SPECIFICATIONS
Size : 63mm
Material: Gun Metal/ Stainless Steel / Aluminium Alloy
Conforming Specification : IS 903
Performance Test:
Hydrostatic Test (Body Test) : Tested at 21 kgf/cm^2
Other Range
38mm, 52mm & 70mm,
Halogram : Sticker stuck on Coupling.

Fire Hose Box

Fire Hose Boxes are widely used for keeping Fire Hoses of any length in it. It provides easy access to the Fire Hoses in case of a Fire Emergency.

SPECIFICATION
Material : Mild Steel Sheet
Gauge of Sheet : 14/16/18 Gauge
Sizes Available :

- 30" x24"x 10"
- 24" x 24" x 10"
- 20" x 20" x 10"

or As Per Customer's Specifications
Features :

- Easy Access in case of Fire Emergency
- Keep Fire Hose Safe

- Available in Double Door & Single Door
- Available in different sizes

Application :

- Office Complexes
- Residential Buildings
- Parking Places
- Warehouses
- Oil & Power Plants Etc.

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KOLEY VALVES CORPORATION

Address :

9/1, 'Q' Road, Monsatala, P.O. - Dasnagar, Belgachia,

Howrah : 711 105, West Bengal (India)

Phone No. :

033 2651-4771, 033 2651-7204 (Office), 033 2651-8217 (Works),

E-mail : koleyvalves@gmail.com

Website : www.koleyvalves.com

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