

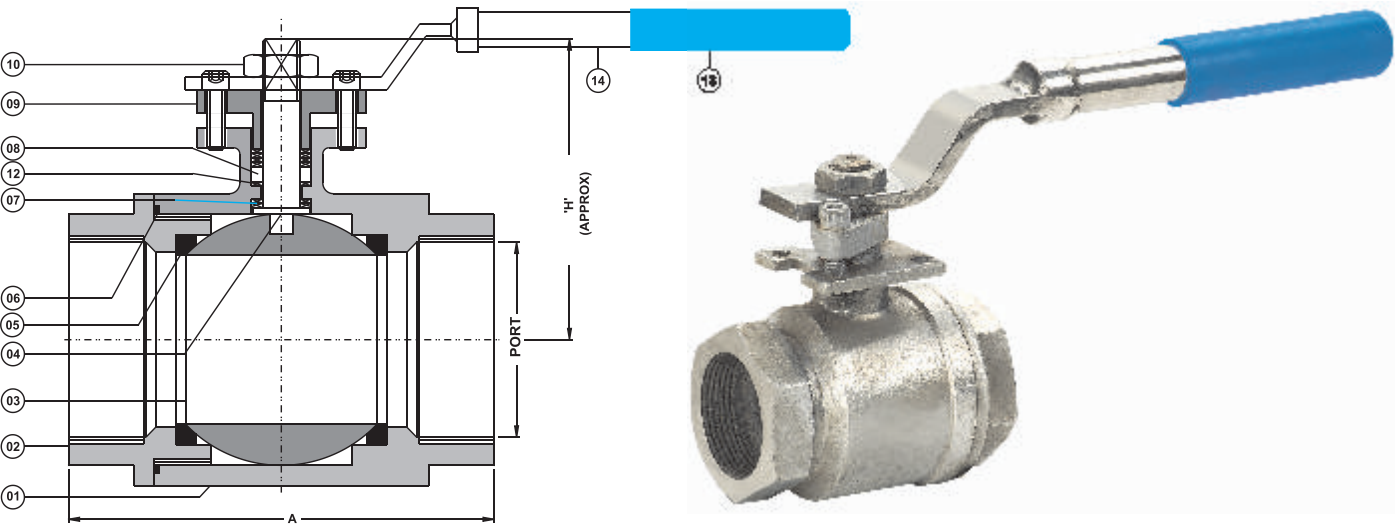
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FLOWGAIN[®]
INDUSTRIAL VALVES, FILTERS & STRAINERS

BALL VALVE 1-PC S/E

Full Bore Lever Operating



MATERIAL SPECIFICATION

PART NO.	QTY.	DESCRIPTION	MATERIAL
1	1	BODY	ASTM A 351 GR.CF8/CF8M/WCB/C.I.
2	2	BODY CONNECTOR	ASTM A 351 GR.CF8/CF8M/WCB/C.I.
3	1	BALL	AISI 304/AISI 316
4	1	STEM	AISI 304/AISI 316
5	2	BALL SEATS	PTFE/GFT
6	2	BODY SEATS	PTFE/GFT
7	1	STEM SEAL	PTFE/GFT
8	5	GLAND PACKINGS	PTFE/GFT
9	1	GLAND	AISI 304/AISI 316
10	2	GLAND NUT	SS STEEL
11	1	WRENCH NUT	MS
12	1	EX: GLAND PACKINGS	GRAFOIL RING
13	1	WRENCH SLEEVE	P.V.C
14	1	WRENCH	M.S.

TECHNICAL DATA :

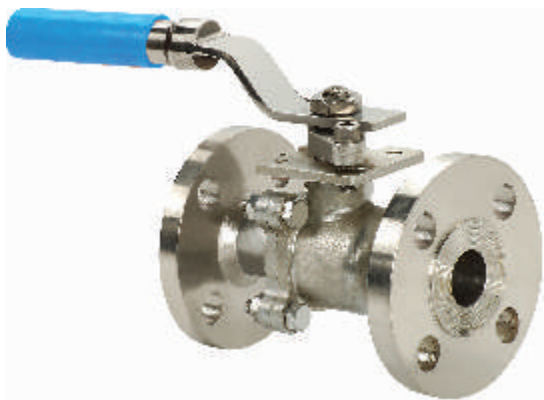
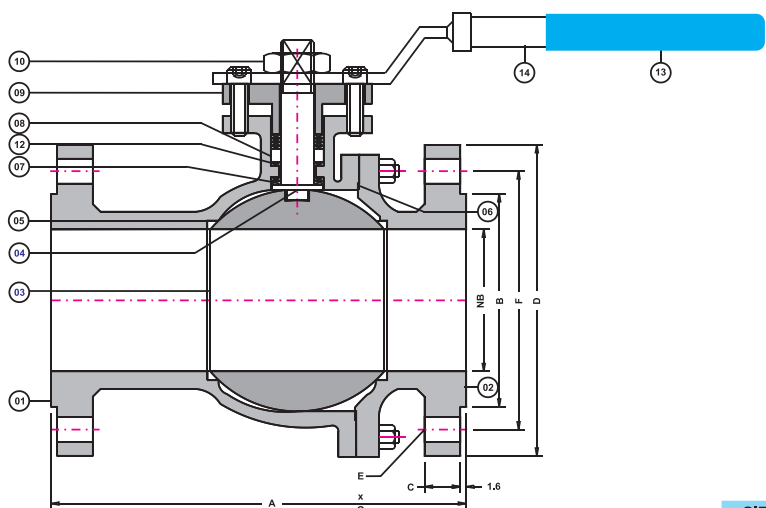
Manufacturing Std : BS 5351
Screwed Ends to BSP (BSPT/NPT - ON REQUEST)
Socket Weld Ends to ANSI B 16.11
Inspection And Testing Std. : BS 6755 (Part-I)

DIMENSION DETAIL

TEST PRESSURE		
TESTING	BODY	SEAT
HYDRAULIC	425 PSIG	300 PSIG
PNEUMATICS	-----	100PSIG

SIZE	15	20	25	40	50
PORT	12.5	19	25	38	50
L	63	75	85	114	125
H	41	49	57.5	77	85.5

BALL VALVE 2-PC S/E



MATERIAL SPECIFICATION

PART NO.	QTY.	DESCRIPTION	MATERIAL
1	1	BODY	ASTM A 351 GR.CF8/CF8M/WCB/C.I.
2	1	BODY CONNECTOR	ASTM A 351 GR.CF8/CF8M/WCB/C.I.
3	1	BALL	AISI 304/AISI 316
4	1	STEM	AISI 304/AISI 316
5	2	BALL SEATS	PTFE/GFT
6	2	NUT SEATS	PTFE/GFT
7	1	STEM SEAL	PTFE/GFT
8	5	GLAND PACKINGS	PTFE/GFT
9	1	GLAND	AISI 304/AISI 316
10	2	GLAND NUT	SS STEEL
11	1	WRENCH NUT	MS
12	1	EX: GLAND PACKINGS	GRAFOIL RING
13	1	WRENCH SLEEVE	P.V.C
14	1	WRENCH	M.S./ SS

Technical Data:

Manufacturing Std : BS 5351

Inspection And Testing Std : BS 6755 Part 1

TEST PRESSURE			
CLASS	HYDROSTATIC	SEAT TEST	AIR TEST
150#	31.5 Kg/cm ²	22 Kg/cm ²	7 Kg/cm ²
300#	79 Kg/cm ²	58 Kg/cm ²	7 Kg/cm ²
600#	157.5 Kg/cm ²	114 Kg/cm ²	7 Kg/cm ²

ANSI 150#

SIZE NB	A	B	C	D	E	F	G
15	108	35	11	89	4	60	16
20	118	43	13	98	4	70	16
25	127	51	14	108	4	79	16
40	165	73	14	127	4	98	16
50	178	92	16	152	4	121	19
65	190	105	17	178	4	140	19
80	203	127	19	190	4	152	19
100	229	157	24	229	8	190	19
125	254	186	24	254	8	216	22
150	267	216	25	279	8	241	22
200	292	270	29	343	8	298	22

ANSI 300#

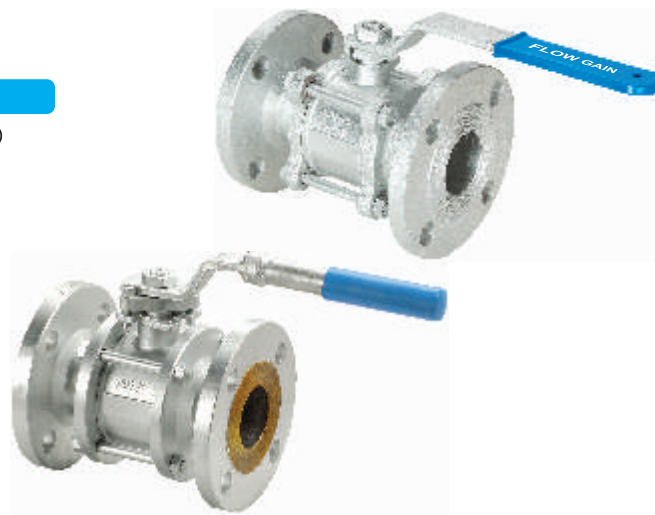
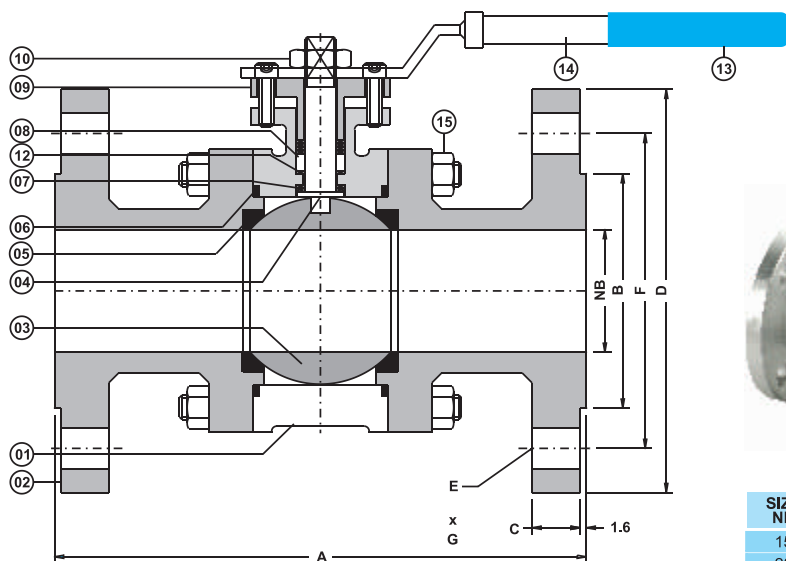
SIZE NB	A	B	C	D	E	F	G
15	140	35	14.2	95	4	66.6	16
20	152	43	15.8	117.5	4	82.5	19
25	165	51	17.5	124	4	89	19
40	191	73	21	156	4	114	22
50	216	92	22	165	8	127	22
65	241	105	25	190	8	149	22
80	282	127	29	209	8	168	22
100	305	157	32	254	8	200	22
125	381	186	35	279	8	235	22
150	403	216	37	318	12	270	22
200	419	270	41	381	12	330	25

ANSI 600#

SIZE NB	A	B	C	D	E	F	G
15	165	35	20.5	95	4	66.6	16
20	190	43	22.6	117.5	4	82.5	19
25	216	51	23.8	124	4	89	19
40	241	73	28.6	156	4	114.3	22
50	292	92	31.7	165	8	127	19
65	330	105	34.8	190	8	149	22
80	356	127	38.1	209	8	168	22
100	432	157	44.5	273	8	216	25.4
125	---	186	44.5	330	8	266.5	28.4
150	559	216	54.1	355.6	12	292.1	28.4
200	---	---	---	---	---	---	---

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BALL VALVE 3-PC S/E



MATERIAL SPECIFICATION

PART NO.	QTY.	DESCRIPTION	MATERIAL
1	1	BODY	ASTM A 351 GR.CF8/CF8M/WCB/C.I.
2	2	BODY CONNECTOR	ASTM A 351 GR.CF8/CF8M/WCB/C.I.
3	1	BALL	AISI 304/AISI 316
4	1	STEM	AISI 304/AISI 316
5	2	BALL SEATS	PTFE/GFT
6	2	BODY SEATS	PTFE/GFT
7	1	STEM SEAL	PTFE/GFT
8	5	GLAND PACKINGS	PTFE/GFT
9	1	GLAND	AISI 304/AISI 316
10	2	GLAND NUT	SS STEEL
11	1	WRENCH NUT	MS
12	1	EX: GLAND PACKINGS	GRAFOIL RING
13	1	WRENCH SLEEVE	P.V.C
14	1	WRENCH	M.S. /SS
15	4/8	BODY STUDS & NUTS	SS 304/STEEL Cd. PLATED

ANSI 150#

SIZE NB	A	B	C	D	E	F	G
15	108	35	11	89	4	60	16
20	118	43	13	98	4	70	16
25	127	51	14	108	4	79	16
40	165	73	14	127	4	98	16
50	178	92	16	152	4	121	19
65	190	105	17	178	4	140	19
80	203	127	19	190	4	152	19
100	229	157	24	229	8	190	19
125	254	186	24	254	8	216	22
150	267	216	25	279	8	241	22
200	292	270	29	343	8	298	22

ANSI 300#

SIZE NB	A	B	C	D	E	F	G
15	140	35	14.2	95	4	66.6	16
20	152	43	15.8	117.5	4	82.5	19
25	165	51	17.5	124	4	89	19
40	191	73	21	156	4	114	22
50	216	92	22	165	8	127	22
65	241	105	25	190	8	149	22
80	282	127	29	209	8	168	22
100	305	157	32	254	8	200	22
125	381	186	35	279	8	235	22
150	403	216	37	318	12	270	22
200	419	270	41	381	12	330	25

ANSI 600#

SIZE NB	A	B	C	D	E	F	G
15	165	35	20.5	95	4	66.6	16
20	190	43	22.6	117.5	4	82.5	19
25	216	51	23.8	124	4	89	19
40	241	73	28.6	156	4	114.3	22
50	292	92	31.7	165	8	127	19
65	330	105	34.8	190	8	149	22
80	356	127	38.1	209	8	168	22
100	432	157	44.5	273	8	216	25.4
125	—	186	44.5	330	8	266.5	28.4
150	559	216	54.1	355.6	12	292.1	28.4
200	—	—	—	—	—	—	—

Technical Data:

Manufacturing Std : BS 5351

Inspection And Testing Std : BS 6755 Part 1

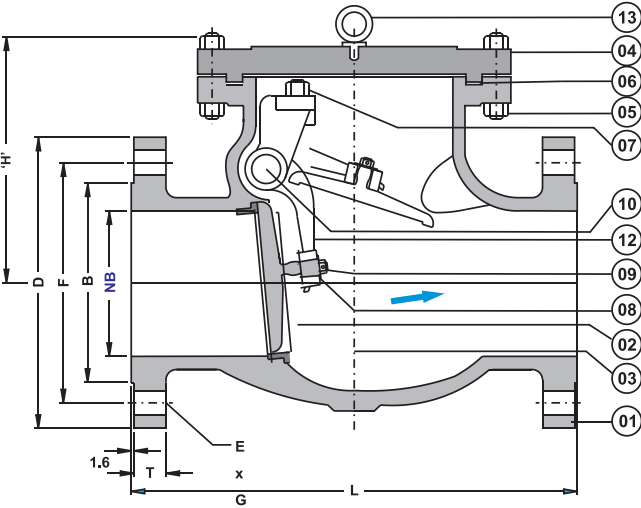
TEST PRESSURE

CLASS	HYDROSTATIC	SEAT TEST	AIR TEST
150#	31.5 Kg/cm ²	22 Kg/cm ²	7 Kg/cm ²
300#	79 Kg/cm ²	58 Kg/cm ²	7 Kg/cm ²
600#	157.5 Kg/cm ²	114 Kg/cm ²	7 Kg/cm ²

FLOWGAIN®

INDUSTRIAL VALVES, FILTERS & STRAINERS

SWING CHECK VALVE



DIMENSION TABLE - 150#

VALVE SIZE IN MM	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750
L	203	216	241	292	330	356	495	622	698	787	864	978	978	1067	1295	1295	1448	1524
B	92	105	127	157	186	216	270	324	381	413	470	533	584	692	---	---	---	---
F	121	140	152	190	216	241	298	362	432	476	539.5	578	635	---	749.5	---	---	---
D	152	178	190	229	254	279	343	406	483	533	597	635	698	---	813	---	---	---
T	16	17	19	24	24	25	29	30.2	31.8	35	36.6	39.7	42.9	---	47.7	---	---	---
E	4	4	4	8	8	8	8	12	12	12	16	16	20	---	20	---	---	---
G	19	19	19	19	22	22	22	25	25	29	29	32	32	---	35	---	---	---
'H' (app)	145	165	170	205	225	255	300	340	480	590	595	545	600	695	750	775	800	825
Wt. Kg app (F/E)	18	25	32	52	56	92	136	220	345	485	570	770	1055	1255	1325	1500	1650	1865

MATERIAL SPECIFICATION

PART NO.	DESCRIPTION	MATERIAL		
1	BODY	WCB	WC6	CF8/CF8M
2	DISC	CA15/13% Cr. FACING ON WCB	CA15/13% Cr.	CF8/CF8M
3	SEAT RING	A 515-70/13 % Cr +STELLITED	SS 304+ STELLITED	T304/T316+ STELLITED
4	TOP COVER	WCB	WC6	CF8/ CF8M
5	STUD & NUT	B7/2H	B16/7	B8/8
6	GASKET	B8/8		
7	BRACKET STUD & NUT	SPW S.S.304/16 WITH CAF		
8	WASHER	T 410	T304	T316
9	DISC NUT	Gr. 8		
10	HINGE PIN	T 410	T304	T316
11	NAME PLATE	ALUMINIUM /SS		
12	HINGE	WCB/Gr.70	WC6/CF8	CF8/CF8M
13	LIFTING EYE BOLT	ASTM A 105		

DIMENSION TABLE - 300#

VALVE SIZE IN MM	50	65	80	100	125	150	200	250	300	350	400	450	500
L	267	292	318	356	400	444	533	622	711	838	864	978	1016
B	92	105	127	157	186	216	270	324	381	413	470	533	584
F	127	149	168	200	235	270	330	387.5	451	514.5	571.5	628.5	686
D	165	190	209	254	279	318	381	444	521	584	648	711	775
T	22	25	29	32	35	37	41	47.7	50.8	54	57.2	60.4	63.5
E	8	8	8	8	8	12	12	16	16	20	20	24	24
G	22	22	22	22	22	25	29	32	32	35	35	35	35
'H' (app)	155	215	185	220	245	275	300	375	430	520	560	686	610
Wt. Kg app (F/E)	25	40	60	80	105	130	215	345	470	685	998	1050	1220

TEST PRESSURE				
CLASS	HYDROSTATIC		PENUMATIC	WORKING
	BODY	SEAT & BACK SEAT	TEST	TEMP.
150	30Kg/cm²	22Kg/cm²	7Kg/cm²	500 F° Max.
300	1100 PSIG	800 PSIG	7Kg/cm²	850 F° Max.

SWING CHECK VALVE



DIMENSION TABLE - 600#

VALVE SIZE IN MM	50	65	80	100	125	150	200	250	300	350	400
L	292	330	356	432	508	559	660	787	838	889	991
B	92	105	127	157	186	216	270	324	381	413	470
F	127	149	168	216	266.5	292.1	393.7	470	533.5	527	603
D	165	190	209	273	330	355.6	470	546	610	603	686
T	31.7	34.8	38.1	44.5	44.5	54.1	63.5	69.9	79.2	69.9	76.2
E	8	8	8	8	8	12	12	16	20	20	20
G	19	22	22	25.4	28.4	28.4	38	38	38	38	41
'H' (app)	160	260	230	280	290	330	360	475	555	580	665
Wt. Kg app (F/E)	29	55	65	115	145	250	405	620	815	970	1215

DIMENSION TABLE - 900#

VALVE SIZE IN MM	50	80	100	150	200	250	300	350	400
L	368	381	457	610	737	838	965	1029	1130
B	92	127	157	216	270	324	381	413	470
F	165	190.5	235	317.5	393.7	470	533.5	559	616
D	216	241	292	381	470	546	610	641	705
T	38.1	38.1	44.5	55.6	63.5	69.9	79.2	85.9	88.9
E	8	8	8	12	12	16	20	20	20
G	25	25	32	32	38	38	38	41	45
'H' (app)	220	280	350	450	525	600	675	750	825

DIMENSION TABLE - 1500#

VALVE SIZE IN MM	50	80	100	150	200	250	300
L	368	470	546	705	832	991	1130
B	92	127	157	216	270	324	381
F	165	203	241.5	317.5	393.5	482.5	571.5
D	216	267	311	394	483	584	673
T	38.1	47.8	53.9	82.6	92	108	124
E	8	8	8	12	12	12	16
G	25	32	35	38	45	51	54
'H' (app)	220	280	370	450	600	660	750

DIMENSION TABLE - 2500#

VALVE SIZE IN MM	50	80	100	150	200
L	451	578	673	914	1022
B	92	127	157	216	270
F	171.5	228.5	273	368.5	438
D	235	305	256	483	552
T	50.8	66.5	76.2	108	127
E	8	8	8	8	12
G	29	35	41	54	54
'H' (app)	305	390	415	565	640

Technical Data

Manufacturing Std.: BS 1868

Testing and Inspection Std :API 6D

End Connection: Flanged as per ANSI B 16.5 RF

- Seat Weld 8 and above
- Lifting Eye Bolt 6 Nb and above
- Disc Stelling Optional

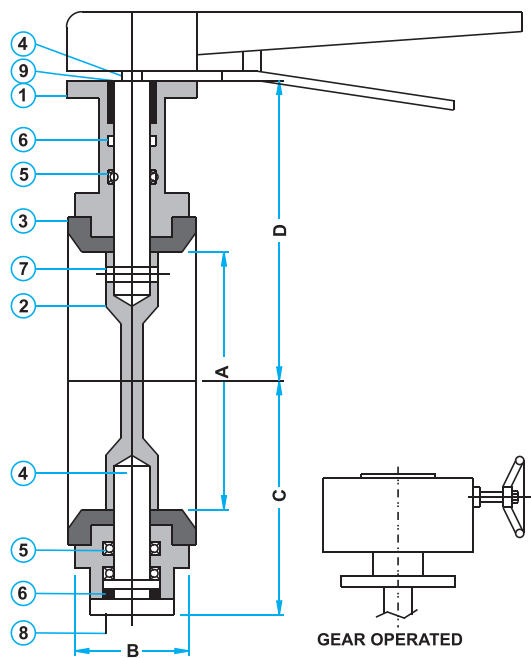
TEST PRESSURE

CLASS	HYDROSTATIC		PNEUMATIC	WORKING
	BODY	SEAT & BACK SEAT	TEST	TEMP.
600	2175 PSIG	1600 PSIG	7Kg/cm ²	500 F° Max.
900	3250 PSIG	3280 PSIG	7Kg/cm ²	500 F° Max.
1500	5400 PSIG	3960 PSIG	7Kg/cm ²	500 F° Max.
2500	9275 PSIG	6780 PSIG	7Kg/cm ²	500 F° Max.

FLOWGAIN®

INDUSTRIAL VALVES, FILTERS & STRAINERS

BUTTERFLY VALVE



MATERIAL SPECIFICATION

PART NO.	QTY.	DESCRIPTION	MATERIAL
1	01	BODY	C.I., C.S., S.G. IRON, CF8/CF8M
2	01	DISC	C.I., C.S., S.G. IRON, CF8/CF8M DISC ENCAPSULATION WITH VITON NITRILE, EPDM, NEOPRENE AND HYPALON AVAILABLE EPOXY COATED, NYLON-11 COATED
3	01	SEAT	NITRILE, EPDM, VITON, SILICONE, HYPALON, NEOPRENE, PTFE
4	02	SHAFT	AISI 304/316/410/420
5	02	BEARING	GM + STEEL + PTFE
6	02	O-RING	NITRILE, EPDM, VITON, SILICONE,
7	01	TAPER PIN	AISI 304/316
8	01	PLUG	STEEL
9	01	BUSH	POLYACETAL/PTFE

Technical Data

Manufacturing Std. : ISO 5752/BS 5155/API 609 with wafer construction
Testing and Inspection Std : API 598/BS 5155,
Leak Rate: Bubble Tight shut off ANSI Class VI or better.
Top Flange: Drilling as per ISO 5211
Mounting Flanges: ANSI Class 150, DIN PN 10, PN 16,
BS 4504 T10/16, IS 6392T11/17, BS 10TD,E,F,JIS 5K,10K
Material: IS 210, DIN, ASTM

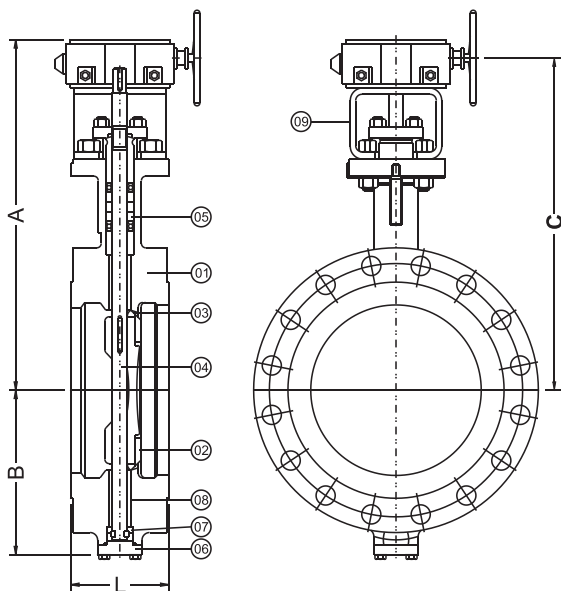
VALVE SPECIFICATIONS

PRESSURE	PN6, PN 10, PN 16
TEMPERATURE	-20°C to 180°C
OPRATING	BI-DIRECTIONAL
PAINTING	EPOXY COATING

DIMENSION TABLE

DN (MM)	A	B	C	D	WEIGHT
40	40	33	33	103	3
50	50	43	43	113	4
65	65	46	46	121	4.5
80	80	46	46	128	5
100	100	52	52	146	6
125	125	56	56	158	8
150	150	56	56	174	11
200	200	60	60	198	14
250	250	68	68	245	24
300	300	78	78	270	29
350	336	78	78	312	38
400	386	102	102	360	64
450	336	114	114	390	75
550	486	127	127	410	97
600	586	154	154	490	135
650	636	165	165	525	160
700	686	165	165	550	215
750	736	178	178	575	258
800	786	190	190	600	270
850	836	190	190	625	295
900	886	203	203	700	382
1000	986	216	216	750	485
1050	1036	216	216	775	507
1100	1086	254	254	800	618
1200	1186	254	254	850	697

DOUBLE FLANGE ROTARY BUTTERFLY VALVE



DIMENSION - ANSI 150#

MATERIAL SPECIFICATION

PART NO.	DESCRIPTION	MATERIAL
1	BODY	ASTM A 216 Gr WCB/ A 351 Gr CF8M
2	DISC	ASTM A 216 Gr WCB Or A 105/ A 351 Gr CF8M or F316
3	SEAL RING	UNS S31803 (DUPLEX)+GRAPHITE
4	SHAFT	ASTM A 182 F6A/A 479 TYPE XM19 (UNS S20910)
5	PACKING	GRAPHITE
6	BOTTOM FLANGE	ASTM A 516/ A 240 TYPE 316
7	THRUST BEARING	AISI 316 OR AISI 410 / UNS S20910
8	BEARING	AISI 304 / AISI 316 HARD FACED
9	BRACKET	CARBON STEEL

Technical Data

Manufacturing Std. : ISO 5752/BS 5155/API 609 with wafer construction

Testing and Inspection Std : API 598/BS 5155,

Leak Rate: Bubble Tight shut off ANSI Class VI or better.

Top Flange: Drilling as per ISO 5211

Mounting Flanges: ANSI Class 150, DIN PN 10, PN 16, BS 4504 T10/16, IS 6392T11/17, BS 10TD,E,F,JIS 5K,10K

Material: IS 210, DIN, ASTM

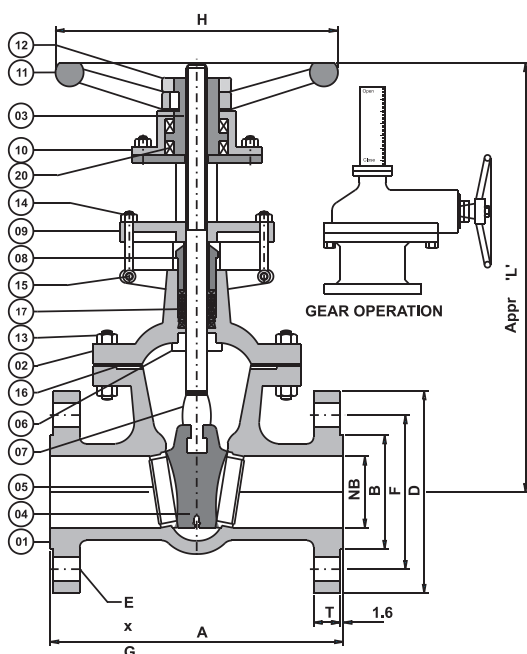
DN (MM)	A	B	C	D	WEIGHT	
					VALVE	GEAR OPERATOR
80	340	125	298	114	22	29
100	370	141	328	127	28	35
150	410	165	368	140	40	47
200	475	214	424	152	61	72
250	515	243	464	165	83	94
300	592	286	539	178	127	140
350	627	312	574	190	166	179
400	670	350	600	216	198	228
450	705	383	635	222	229	259
500	765	407	695	229	308	338
600	845	484	750	267	433	479
700	1080	525	1006	292	767	922
750	1118	615	1044	318	990	1145
800	1143	640	1069	318	1165	1320
900	1305	672	1231	330	1495	1760
1000	1315	741	1241	410	2035	2300
1050	1385	755	1311	410	2155	2420
1200	1652	866	1460	470	3045	3690
1350	1765	985	1573	530	4300	4945
1500	1892	1132	1693	600	5740	6535

VALVE SPECIFICATIONS

PRESSURE	PN6, PN 10, PN 16
TEMPERATURE	-20°C to 180°C
OPRATING	BI-DIRECTIONAL
PAINTING	EPOXY COATING

Flowgain, For Great Results !

GATE VALVE



DIMENSION TABLE - 150#

SIZE	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600	650	700	750
'A'	165	165	178	190.5	203	229	254	267	292	330	356	380	406.5	432	457	483	508	559	610	610
B	51	73	92	105	127	157	186	216	270	324	381	413	470	533	584	—	692	—	—	—
F	79.2	98.5	121	140	152	190	216	241	298	362	432	476	539.5	578	635	—	749.5	—	—	—
D	108	127	152	178	190	229	254	279	343	406	483	533	597	635	698	—	813	—	—	—
T	14	16	16	17	19	24	24	25	29	30.2	31.8	35	36.6	39.7	42.9	—	47.7	—	—	—
E	4	4	4	4	4	8	8	8	8	12	12	12	16	16	20	—	20	—	—	—
G	16	16	19	19	19	22	22	22	25	25	29	29	32	32	32	—	35	—	—	—
'H'	152	152	203	203	254	254	305	305	305	408	457	457	508	508	610	660	660	711	711	813
'L'	330	330	360	415	425	510	595	685	770	940	1030	1270	1450	1600	1810	2530	2725	2800	3130	3300
Wt. Kg	—	—	20	28	33	55	70	90	130	225	330	450	530	625	825	1150	1210	1415	1620	2025

DIMENSION TABLE - 300#

VALVE SIZE IN MM	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600
'A"	216	241	282.5	305	381	403	419	457	502	762	838	914	991	1092	1143
B	92	105	127	157	186	216	270	324	381	413	470	533	584	—	692
F	127	149	168	200	235	270	330	387.5	451	514.5	571.5	628.5	686	—	813
D	165	190	209	254	279	318	381	444	521	584	648	711	775	—	914
T	22	25	29	32	35	37	41	47.7	50.8	54	57.2	60.4	63.5	—	69.9
E	8	8	8	8	8	8	12	12	16	16	20	20	24	—	24
G	22	22	22	22	22	22	25	29	32	32	35	35	35	—	41
'L' (app)	410	450	485	615	725	835	1015	1230	1555	1720	1970	2160	2410	2550	2810
'H' (app)	200	250	250	300	350	350	450	500	500	600	600	680	760	760	760
Wt. Kg app (F/E)	32	35	55	80	100	150	225	350	480	745	1060	1325	1725	1900	2570

Technical Data

Manufacturing Std.: API 600
 Testing and Inspection Std : API598
 Face to Face: As per ANSI B 16.10
 End Connection: Flanged as per
 ANSI B 16.5 RF

TEST PRESSURE				
CLASS	HYDROSTATIC		PNEUMATIC	WORKING
	BODY	SEAT & BACK SEAT	TEST	TEMP.
150	30 Kg/cm ²	22Kg/cm ²	7Kg/cm ²	500 F° Max.
300	1100 PSIG	800 PSIG	7Kg/cm ²	850 F° Max.

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GATE VALVE

MATERIAL SPECIFICATION

PART NO.	DESCRIPTION	MATERIAL				
1	BODY	WCB	WC6	A 352 LCB	CF8/CF8M	CF3/CF3M
2	BONNET	WCB	WC6	A 352 LCB	CF3/CF3M	CF3/CF3M
3	YOKE	WCB	WC6	A 352 LCB	CF3/CF3M	CF3/CF3M
4	WEDGE	CA15/13%Cr, FACING ON WCB+ STELLITED	Wc6+ STELLITED	LCB+ STELLITED	CF8/CF8M STELLITED	CF3/CF3M STELLITED
5	SEAT RING	A 515-70/13%Cr, STELLITED	S.S.304 + STELLITED	S.S.304 + STELLITED	T304L /T316L, CF3/ CF8M STELLITED	T304L /T316L, CF3/ CF8M STELLITED
6	BACK SEAT	AISI 410			INTEGRAL	INTEGRAL
7	SPINDLE	AISI 410			T304 /T316	T304L /T316L
8	GLAND BUSH	AISI 410			T304 /T316	T304L /T316L
9	GLAND FLANGE	WCB	WC6	LCB	S.S.304	S.S.304L
10	YOKE SLEEVE	Ni-Resist/S.G. Iron				
11	HAND WHEEL	CARBON STEEL				
12	HAND WHEEL NUT	CARBON STEEL			S.S.304	S.S.304L/316L
13	STUD & NUT	B7/2H	B16/7	B16/7	B7/2H	B7/2H
14	EYE BOLT & NUT	B7/2H			B8/8	B8/8M
15	CROSS BOLT & NUT	B7/2H			B8/8	B8/8M
16	GASKET	COMPRESSED ASBESTOS FIBRE/S.S. 304 SPIRAL WOUND WITH CAF				
17	GLAND PACKING	METALLIC WIRE REINFORCED GRAPHITED ASBESTOS/GRAPHOIL				
18	GREASE NIPPLE	BRASS/STEEL				
19	NAME PLATE	ALUMINIUM / SS				
20	BEARING	STANDARD				



DIMENSION TABLE - 600#

SIZE	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600
'A'	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1295	1397
B	92	105	127	157	186	216	270	324	381	413	470	533	584	—	692
F	127	149	168	216	266.5	292.1	393.7	470	533.5	527	603	654	724	—	838
D	165	190	209	273	330	355.6	470	546	610	603	686	743	813	—	940
T	31.7	34.8	38.1	44.5	44.5	54.1	63.5	69.9	79.2	69.9	76.2	82.6	88.9	—	101.6
E	8	8	8	8	8	12	12	16	20	20	20	20	24	—	24
G	19	22	22	25.4	28.4	28.4	38	38	38	38	41	45	45	—	51
'L' (app)	410	485	560	705	800	895	1125	1400	1535	1825	1955	2140	2310	2680	2680
'H' (app)	250	250	350	450	500	500	600	680	760	760	760	813	889	500	500
Wt. Kg app (F/E)	38	56	72	136	170	245	432	780	835	1190	1690	2010	2400	2650	3700

DIMENSION TABLE - 900#

SIZE	50	80	100	150	200	250	300	350	400	450	500
'A'	368	381	457	610	737	838	965	1029	1130	1219	1321
B	92	127	157	216	270	324	381	413	470	533	584
F	165	190.5	235	317.5	393.7	470	533.5	559	616	686	749.5
D	216	241	292	381	470	546	610	641	705	787	857
T	38.1	38.1	44.5	55.6	63.5	69.9	79.2	85.9	88.9	101.6	108
E	8	8	8	12	12	16	20	20	20	20	20
G	25	25	32	32	38	38	38	41	45	51	54
'L' (app)	440	584	712	927	1220	1600	1752	2286	2362	2450	2600
'H' (app)	250	300	400	500	600	680	760	760	910	910	950
Wt. Kg app (F/E)	70	105	190	380	595	975	1275	1665	2310	2880	3505

DIMENSION TABLE - 1500#

SIZE	50	80	100	150	200	250	300	350	400
'A'	368	470	546	705	832	991	1130	1257	1384
B	92	127	157	216	270	324	381	413	470
F	165	203	241.5	317.5	393.5	482.5	571.5	635	705
D	216	267	311	394	483	584	673	749	826
T	38.1	47.8	53.9	82.6	92	108	124	133.4	146.1
E	8	8	8	12	12	16	16	16	16
G	25	32	35	38	45	51	54	60	67
'L' (app)	500	633	725	1045	1310	1410	1550	2100	2475
'H' (app)	250	350	400	600	680	910	965	1015	1065
Wt. Kg app (F/E)	80	150	225	625	1115	1430	1955	2690	3830

DIMENSION TABLE - 2500#

SIZE	50	80	100	150	200	250
'A'	451	578	673	914	1022	1270
B	92	127	157	216	270	324
F	171.5	228.5	273	368.5	438	540
D	235	305	256	483	552	673
T	50.8	66.5	76.2	108	127	165.1
E	8	8	8	12	12	12
G	29	35	41	54	54	67
'L' (app)	595	750	805	1200	1346	1500
'H' (app)	250	350	400	600	680	910
Wt. Kg app (F/E)	130	220	320	815	1405	2550

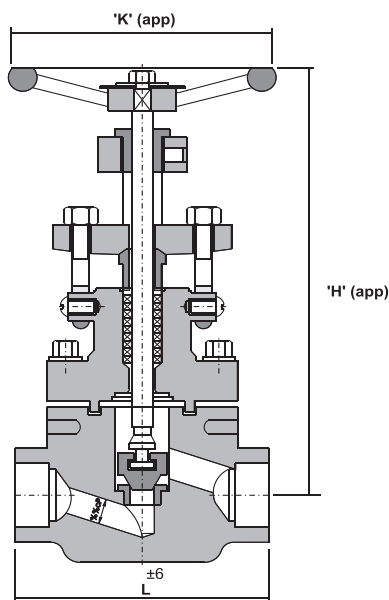
TEST PRESSURE				
CLASS	HYDROSTATIC		PENUMATIC	WORKING
	BODY	SEAT & BACK SEAT	TEST	TEMP.
600	2175 PSIG	1600 PSIG	7Kg/cm²	850 F° Max.
900	3250 PSIG	3280 PSIG	7Kg/cm²	850 F° Max.
1500	5400 PSIG	3960 PSIG	7Kg/cm²	850 F° Max.
2500	9275 PSIG	6780 PSIG	7Kg/cm²	850 F° Max.

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FORGED STEEL VALVE



MATERIAL SPECIFICATION

PART NO.	DESCRIPTION	MATERIAL		
1	BODY	A 105	F 304	F316
2	BONNET	A 105	F 304	F316
3	WEDGE/PLUG	13%Cr.	T304	T316
4	SEAT	13%Cr.	T304	T316
5	SPINDLE	T410	T304	T316
6	GLAND BUSH	T410	T304	T316
7	GLAND FLANGE	A 105	F 304	
8	YOKE SLEEVE	ASTM A 439 Gr. D2/AL-BRONZE		
9	YOKE NUT			
10	HAND WHEEL	CAST STEEL		
11	HAND WHEEL NUT	Gr.2H		
12	COLLAR BOLT/	B8/ 8 OR B7/2H		
13	STUD & NUT			
14	EYE BOLT & NUT	B7/2H	B8/ 8	
15	GASKET	SPW S.S. 304/316 WITH CAF/GRAFOIL		
16	GLAND PACKING	GRAPHITE ASBESTOS INHIB. & INCONEL WIRE REIN.		
17	SCREW/RIVET & WASHER	STEEL		
18	BEARING WASHER	HARDENED STEEL	T304	T316
19	GRUB SCREW	Gr.B7		
20	GREASE NIPPLE	C.S.(NICKLE PLATED)		
21	NAME PLATE	ALUMINIUM / SS		

DIMENSION TABLE- GBV - FULL BORE 800#

VALVE SIZE IN MM	08	10	15	20	25	40
L	85	85	90	103	128★	142
'H' (app)	170	170	180	210	280	290
'L' (app)	95	95	95	105	150	150
%%CP	6.0	9.0	12.0	17.5	22.5	35.0
Wt. Kg app (F/E)	2.0	2.0	2.5	4.0	8.5	9.0

DIMENSION TABLE- GTV - FULL BORE 800#

VALVE SIZE IN MM	08	10	15	20	25	40
L	85	85	90	90	103	128
'H' (app)	165	165	175	175	220	270
'L' (app)	95	95	95	95	105	150
%%CP	6.0	9.0	12.0	18.0	23.0	36.0
Wt. Kg app (F/E)	2.0	2.0	2.5	3.5	7.5	7.5

Technical Data

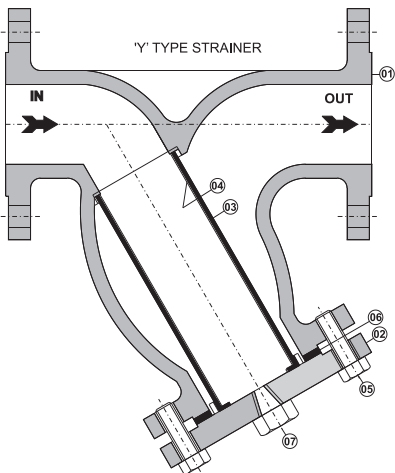
Manufacturing Std.: BS 5352

Testing and Inspection Std : API 602

TEST PRESSURE

CLASS	HYDROSTATIC		PNEUMATIC TEST	MAX. TEMP.
	BODY	SEAT & BACK SEAT		
800	141Kg/cm ²	112Kg/cm ²	7Kg/cm ²	

FILTERS



Technical Data

Face To Face : As Per Din Nd-40 Type
End Connection : Flanged as per B 16.5, Din 2533, 2543, 2535, 2545
Screwed BSP Socket / Weld to Ansi B 16.34



'Y' TYPE STRAINER

MATERIAL SPECIFICATION

PART NO.	QTY.	DESCRIPTION	MATERIAL
1	01	BODY	IS 210 GR. FG.200/SA 216 GR.WCB/SA 351 GR.CF8/CF8M
2	01	COVER	IS 210 GR. FG.200/SA 216 GR.WCB/SA 351 GR.CF8/CF8M
3	01	PERFORATED SHEET	AISI 304/316
4	01	WIRE MESH	AISI 304/316
5	—	FASTENERS	C.S./IS 1389/SA 193 GR. B7/2H
6	01	GASKET	C.A.F/PTFE/SPIRAL WOUND
7	01	DRAIN	C.S./A 105/AISI 304-316

'T' TYPE STRAINER

MATERIAL SPECIFICATION

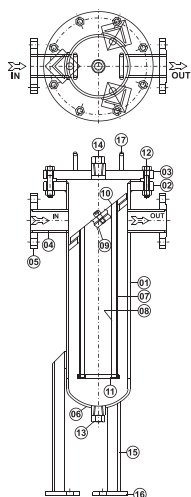
PART NO.	QTY.	DESCRIPTION	MATERIAL
1	01	SHELL	IS 2062 Gr.A/ AISI 304/316
2	01	IN/OUT PIPE	IS 2062 Gr.A/ AISI 304/316
3	04	FLANGES	IS 2062 Gr.A/ AISI 304/316
4	01	WIRE MESH	AISI 304/316
5	01	APEX ROD	C.S./AISI 304/316
6	01	BENT FRAME ROD	C.S./AISI 304/316
7	02	GUIDE ROD	C.S./AISI 304/316
8	04	REINFORCIMENT STRIP	C.S./AISI 304/316
9	—	FASTENERS	C.S.
10	01	GASKET	CAF/PTFE/SPW
11	01	DRAIN	C.S./AISI 304/316

Technical Data

STD. Specification Required
With Enquiry:
1. Inlet Outlet Size & Rating
2. Fluid To Be Handled
3. Viscosity of fluid
4. Fluid temp.

5. Degree of Filtration
6. Working Pressure
7. Allowable pressure drop
8. Material of construction
9. Qty of strainer required.

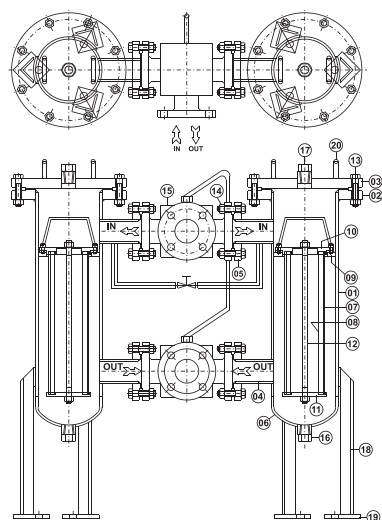
FILTERS



SIMPLEX BASKET/CARTRIDGE FILTER

MATERIAL SPECIFICATION

PART NO.	QTY.	DESCRIPTION	MATERIAL
1	01	SHELL	IS 2062 GR.A / AISI 304/316
2	01	SHELL FLANGE	IS 2062 GR.A / AISI 304/316
3	01	COVER FLANGE	IS 2062 GR.A / AISI 304/316
4	02	IN/OUT NOZZLE	IS 1239 3589, / SA 106 GR.B/AISI 304/316
5	02	IN/OUT FLANGE	IS 2062 GR.A / SA 105 / AISI 304/316
6	01	DISH END	IS 2062 GR.A / AISI 304/316
7	01	P. SHEET	AISI 304/316
8	01	WIRE MESH	AISI 304/316
9	01	SUPPORT PLATE	IS 2062 GR.A / AISI 304/316
10	01	ELEMENT TOP COVER	IS 2062 GR.A / AISI 304/316
11	01	ELEMENT BOTTOM	IS 2062 GR.A / AISI 304/316
12	16	FASTENERS	SA 193 GR. B7-2H/ AISI 304/316
13	02	DRAIN CPLG + PLUG	IS 2062 GR.A / AISI 304/316
14	02	VENT CPLG + PLUG	IS 2062 GR.A / AISI 304/316
15	06	LAG	IS 2062 GR.A / AISI 304/316
16	06	BASE PAD	IS 2062 GR.A / AISI 304/316
17	04	HANDLE	IS 2062 GR.A / AISI 304/316



DUPLEX BASKET FILTER

MATERIAL SPECIFICATION

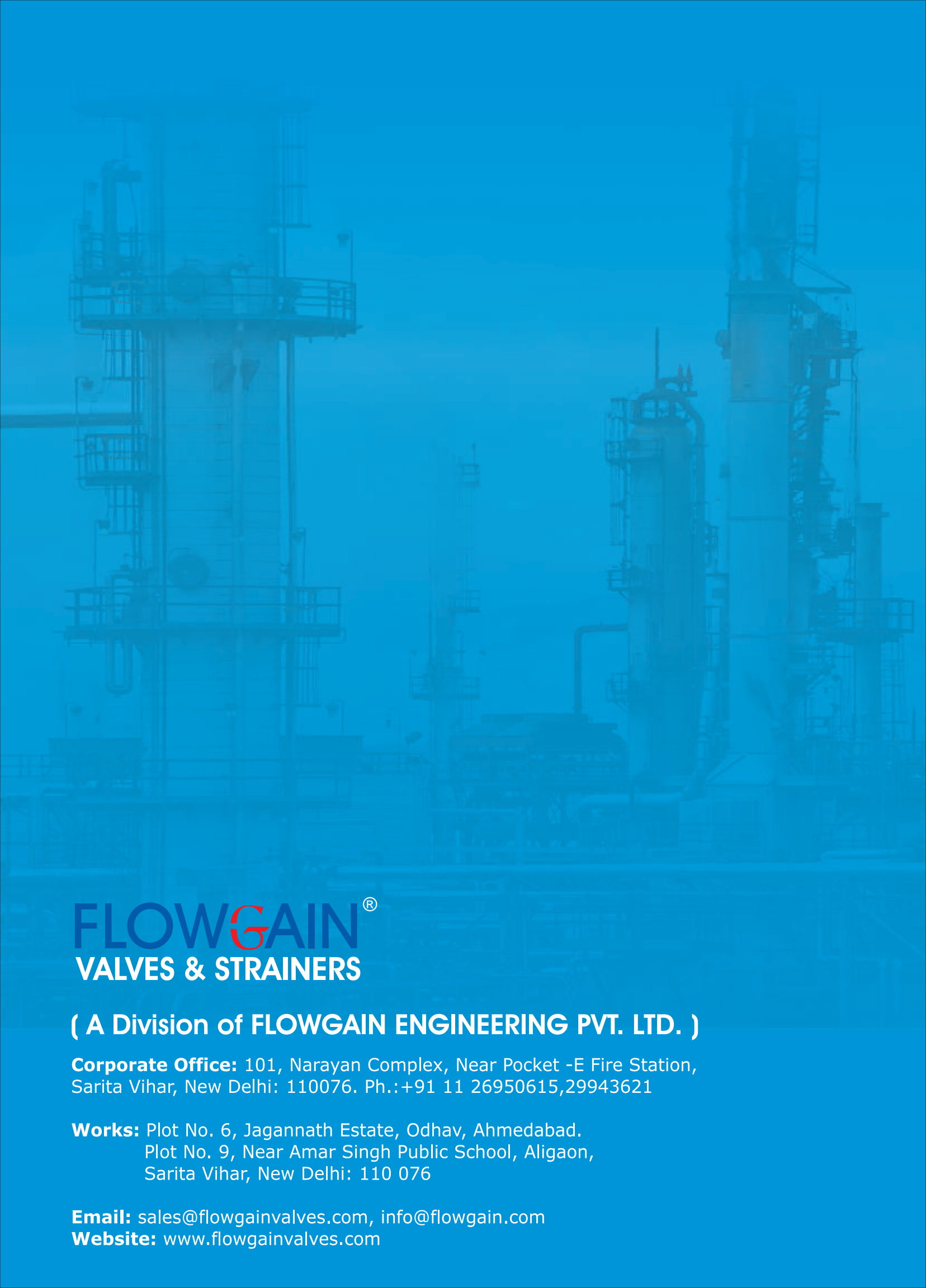
PART NO.	QTY.	DESCRIPTION	MATERIAL
1	02	SHELL	IS 2062 Gr.A / AISI 304/316
2	02	SHELL FLANGE	IS 2062 Gr.A / AISI 304/316
3	02	COVER FLANGE	IS 2062 Gr.A / AISI 304/316
4	04	IN/OUT NOZZLE	IS 1239 3589, / SA 106 Gr.B / AISI 304/316
5	04	IN/OUT FLANGE	IS 2062 Gr.A / SA 105 / AISI 304/316
6	02	DISH END	IS 2062 Gr.A / AISI 304/316
7	02	P. SHEET	AISI 304/316
8	02	WIRE MESH	AISI 304/316
9	02	SUPPORT PLATE	IS 2062 Gr.A / AISI 304/316
10	02	ELEMENT TOP COVER	IS 2062 Gr.A / AISI 304/316
11	02	ELEMENT BOTTOM	IS 2062 Gr.A / AISI 304/316
12	02	TIE ROD	IS 2062 Gr.A / AISI 304/316
13	16	FASTENERS	SA 193 Gr. B7-2H/ AISI 304/316
14	16	FASTENERS	SA 193 Gr. B7-2H/ AISI 304/316
15	02	3-WAY BALL VALVE	WCB / Cast Iron/ AISI 304/316
16	02	DRAIN CPLG + PLUG	IS 2062 Gr.A / AISI 304/316
17	02	VENT CPLG + PLUG	IS 2062 Gr.A / AISI 304/316
18	06	LAG	IS 2062 Gr.A / AISI 304/316
19	06	BASE PAD	IS 2062 Gr.A / AISI 304/316
20	04	HANDLE	IS 2062 Gr.A / AISI 304/316

Technical Data

STD. Specification Required With Enquiry:

1. Inlet Outlet Size & Rating
2. Fluid To Be Handled
3. Viscosity of fluid
4. Fluid temp.
5. Degree of Filtration
6. Working Pressure
7. Allowable pressure drop
8. Material of construction
9. Qty of strainer required.

DESIGN : ASME Sec VII. Dev.1



FLOWGAIN[®]

VALVES & STRAINERS

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