

SRI RATNAM ENTERPRISES



SRI RATNAM ENTERPRISES

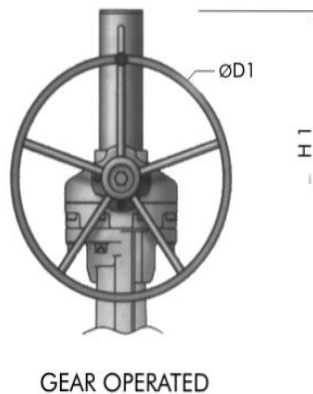
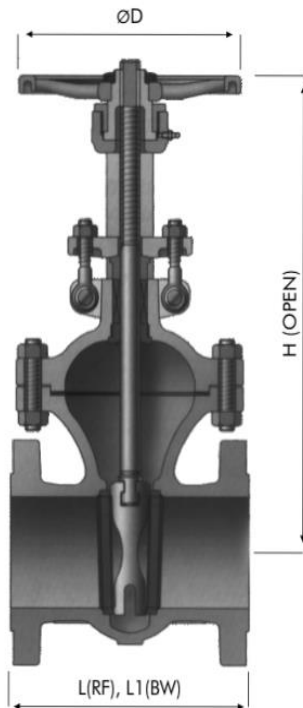
OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

GATE VALVES



END CONNECTION R.F. FLANGED ENDS TO ASME B16.5
B.W. ENDS TO ASME B1625
R.T.J. FLANGED ENDS TO ASME B16.5
SIZE 26" AND ABOVE, FLANGED ENDS
ACCORDING TO ASME B16.47 SER.A OR SER.B
MFG STD : BS1414 / API 600

STANDARD MATERIAL SPECIFICATIONS

NO	PART NAME	MATERIAL		
1	BODY	A216 - WCB	A217 - WC6	A351 - CF8
2	BONNET	A216 - WCB	A217 - WC6	A351 - CF8
3	WEDGE	A217 - CA15 + STL	A217 - CA15 + STL	A351 - CF8 + STL
4	STEM	A479 - 410	A479 - 410	A479 - 304
5	HAND WHEEL	A197	A197	A197
6	BODY SEAT RING	A576 - 1020 + STL	A182 - F11 + STL	A240 - 304 + STL
7	BACK SEAT RING	A479 - 410	A479 - 410	A479 - 304
8	GASKET	SPIRAL WOUND / GRAPHITE+304+304		
9	PACKING	GRAPHITE + GRAPHITE WITE INCONEL WIRE		
10	GLAND FLANGE	A105	A105	A351 - CF8
11	HINGE BOLT	A307 - B	A307 - B	A193 - B8
12	HINGE NUT	A194 - 2H	A194 - 2H	A194- 8
13	HINGE PIN	A576 - 1020	A576 - 1020	A479 - 304
14	PACKING GLAND	A576 - 1020 + Cr	A479 - 410	A479 - 304
15	BONNET BOLT	A193 - B7	A193 - B16	A193 - B8
16	BONNET NUT	A194 - 2H	A194 - 4	A194 - 8
17	YOKE CAP	A576 - 1020	A576 - 1020	A576 - 1020 + Z...
18	YOKE SLEEVE	A439 - D2C	A439 - D2C	A439 - D2C
19	HANDLE NUT	A47 - 32510 + Zn	A47 - 32510 + Zn	A47 - 32510 + Zn
20	SET SCREW	STEEL	STEEL	STEEL + Cr
21	NIPPLE	STEEL + Cr	STEEL + Cr	STEEL + Cr

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

DIMENSION AND WEIGHT

CLASS 150

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
L	177.8	203.2	228.6	266.7	292.1	330.2	355.6	381.0	406.4	431.8	457.2	508.0	558.8	609.6	609.6
L1	215.9	282.4	304.8	403.4	419.1	457.2	501.7	571.5	609.6	660.4	711.2	812.8	-	-	-
D	200	224	250	315	355	400	450	500	560	630	710	800	-	900	900
D1	-	-	-	250	250	355	355	355	500	500	630	630	710	710	710
H	339	441	535	735	927	1125	1317	1550	1823	1900	2120	2502	-	2873	3066
H1	-	-	-	950	1071	1260	1462	1658	1830	2058	2268	2660	2950	3052	3268
WEIGHT (Kg)	16	29	43	72	116	173	263	388	535	648	822	1276	1552	1777	2119

CLASS 300

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
L	215.9	282.4	304.8	403.4	419.1	457.2	501.7	762.0	838.2	914.4	990.6	1143.0	1244.6	1346.2	1397
L1	215.9	282.4	304.8	403.4	419.1	457.2	501.7	762.0	838.2	914.4	990.6	1143.0	-	-	-
D	200	224	250	355	400	450	500	560	630	710	800	900	-	-	-
D1	-	-	-	250	355	355	355	500	500	630	630	710	800	800	900
H	340	442	536	745	951	1142	1325	1631	1692	1909	2119	2492	-	-	-
H1	-	-	-	895	1087	1269	1470	1669	1849	2065	2272	2667	3057	3265	3475
WEIGHT (Kg)	22	41	59	119	193	291	410	687	876	1201	1500	2258	3026	3450	4147

CLASS 600

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
L	292.1	355.6	431.8	558.8	660.4	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	1447.8	1549.4	1651
L2	292.1	355.6	431.8	558.8	660.4	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	-	-	-
D	200	250	355	450	500	630	-	-	-	-	-	-	-	-	-
D2	-	-	-	355	500	500	630	630	710	710	800	900	900	900	900
H	394	475	591	801	1005	1192	-	-	-	-	-	-	-	-	-
H1	-	-	-	995	1233	1360	1605	1792	2079	2160	2366	2740	3002	3235	3480
WEIGHT (Kg)	35	64	110	222	405	626	878	1165	1490	1836	2410	3639	4437	5589	6933

CLASS 900

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24
L	368.3	381.0	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1219.2	1320.8	1549.4
L1	368.3	381.0	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1219.2	1320.8	1549.4
D	250	355	355	500	630	710	-	-	-	-	-	-
D2	-	250	250	500	500	630	710	710	710	900	900	900
H	474	623	718	958	1290	1451	-	-	-	-	-	-
H1	-	678	900	1112	1322	1542	1786	1792	1955	2308	2466	2889
WEIGHT (Kg)	73	103	159	318	568	908	1234	1628	2288	3025	3850	5200

CLASS 1500

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16
L	368.3	469.9	546.1	704.9	831.9	990.6	1130.3	1384.4	
L1	368.3	469.9	546.1	704.9	831.9	990.6	1130.3		
D	250	355	400	560	800	900	-	1092	
D1	-	-	355	500	630	710	800	800	
H	474	603	730	944	1205	1414	-	2129	
H1	-	-	880	1106	1350	1570	1826	2341	
WEIGHT (Kg)	81	141	227	515	992	1603	2572	5255	

SRI RATNAM ENTERPRISES

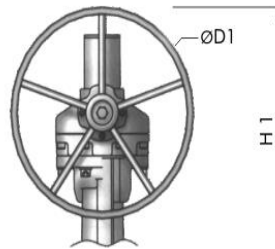
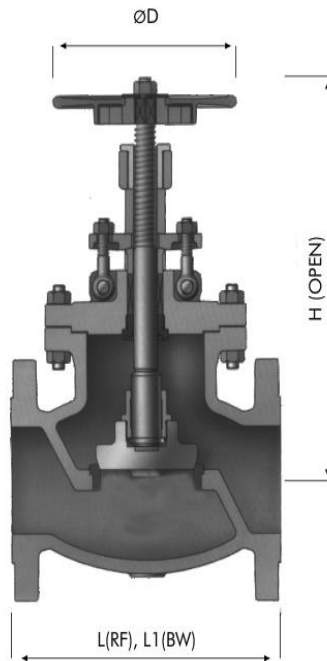
OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

GLOBE VALVE



END CONNECTION R.F. FLANGED ENDS TO ASME B16.5
B.W. ENDS TO ASME B16.25
R.T.J. FLANGED ENDS TO ASME B16.5
SIZE 26" AND LARGER, FLANGED ENDS
ACCORDING TO ASME B16.47 SER.A OR SER.B
MFG. STD : BS1873

STANDARD MATERIAL SPECIFICATIONS

NO	PART NAME	MATERIAL		
1	BODY	A216 - WCB	A217 - WC6	A351 - CF8M
2	BONNET	A216 - WCB	A217 - WC6	A351 - CF8M
3	DISC	A217 - CA15 + STL	A217 - CA15 + STL	A351 - CF8 + STL
4	STEM	A479 - 410	A479 - 410	A479 - 304
5	HAND WHEEL	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
6	BODY SEAT RING	A216 - WCB+STL	A217 - WC6+STL	A351 - CF8+STL
7	BACK SEAT RING	A479 - 410	A479 - 410	A479 - 304
8	GASKET	SPIRAL WOUND / GRAPHITE+304+304		
9	PACKING	GRAPHITE + GRAPHITE WITH INCONEL WIRE		
10	GLAND FLANGE	A283 - D	A283 - D	A 351 - CF8
11	HINGE BOLT	A307 - B	A307 - B	A193 - B8
12	HINGE NUT	A194 - 2H	A194 - 2H	A194 - 8
13	HINGE PIN	A576 - 1020	A576 - 1020	A479 - 304
14	PACKING GLAND	A576 - 1020 + Cr	A479 - 410	A479 - 304
15	BONNET BOLT	A193 - B7	A193 - B16	A193 - B8
16	BONNET NUT	A194 - 2H	A194 - 4	A194 - 8
17	YOKE BUSH	A439 - D2C	A439 - D2C	A439 - D2C
18	LOCK NUT	A479 - 410	A479 - 410	A479 - 304
19	HANDLE NUT	A563 - A	A563 - A	A194 - 8
20	SHAKE ADAPTER	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
21	HANDLE COVER	A283 - D	A283 - D	A283 - D
22	GEAR BOX	DUCTILE IRON	DUCTILE IRON	DUCTILE IRON
23	STEM COVER	A53	A53	A53

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

DIMENSION AND WEIGHT

CLASS 150

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24
L	203.2	241.3	292.1	406.4	495.3	622.3	698.5	787.4	914.4	978.0	978.0	1295.4
L1	203.2	241.3	292.1	406.4	495.3	622.3	698.5	787.4	914.4	978.0	-	-
D	200	250	315	355	400	400	-	-	-	-	-	-
D1	-	-	-	-	450	450	500	560	630	630	800	800
H	284	344	388	505	623	805	839	-	-	-	-	-
H1	-	-	-	-	577	626	800	922	980	1140	1825	2029
WEIGHT (Kg)	14	27	43	91	178	256	409	616	825	960	1387	1988

CLASS 300

UNIT : mm

SIZE	2	3	4	6	8	10	12	16	18	20	24	28
L	266.7	317.5	355.6	444.5	558.8	622.3	711.2	863.6	914.4	1016.0	1346.2	1498.6
L1	266.7	317.5	355.6	444.5	558.8	622.3	711.2	863.6	-	-	-	-
D	200	250	315	355	400	450	500	-	-	-	-	-
D2	-	-	-	-	500	560	630	710	710	800	800	800
H	286	346	392	618	793	1145	1260	-	-	-	-	-
H1	-	-	-	-	805	880	971	1120	1220	1674	2086	2338
WEIGHT (Kg)	20	37	58	140	260	422	567	975	1700	2090	3481	4590

CLASS 600

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	30
L	292.1	355.6	431.8	558.8	660.4	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	1651.0
L1	292.1	355.6	431.8	558.8	660.4	787.4	838.2	-	-	-	-	-	-
D	224	315	315	450	-	-	-	-	-	-	-	-	-
D1	-	-	-	500	560	630	800	800	800	800	800	800	800
H	392	478	531	675	-	-	-	-	-	-	-	-	-
H1	-	-	-	689	754	959	1690	1871	2015	2449	2504	2595	3237
WEIGHT (Kg)	35	63	120	233	415	652	1316	1565	2120	3110	3490	4320	10800

CLASS 900

UNIT : mm

SIZE	2	3	4	6	8	12	14
L	368.3	381.0	457.2	609.6	736.6	965.2	1029
L1	368.3	381.0	457.2	609.6	736.6	965.2	-
D	315	315	355	450	710	-	900
D1	-	-	400	560	630	710	-
H	498	513	605	730	894	-	1913
H1	-	-	600	710	970	1101	-
WEIGHT (Kg)	77	103	177	388	655	1288	1500

CLASS 1500

UNIT : mm

SIZE	2	3	4	6	8	14
L	368.3	469.9	546.1	704.9	831.9	990.6
L1	368.3	469.9	546.1	704.9	831.9	990.6
D	315	355	400	500	800	-
D1	-	-	400	630	710	800
H	497	584	714	1065	1191	-
H1	-	-	700	1105	1100	1206
WEIGHT (Kg)	77	147	262	669	1187	1827

SRI RATNAM ENTERPRISES

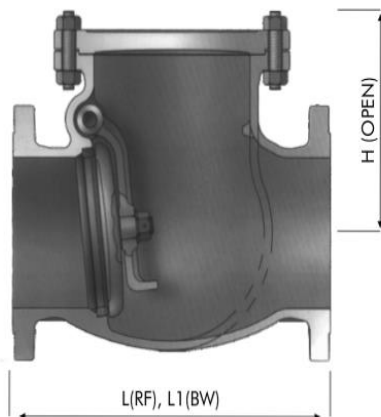
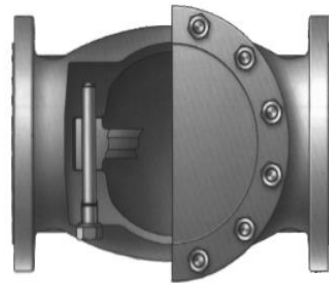
OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

SWING CHECK VALVE



- END CONNECTION**
- R.F FLANGED ENDS TO ASME B16.5
 - B.W. ENDS TO ASME B16.25
 - R.T.J FLANGED ENDS TO ASME B16.5
 - SIZE 26" AND LARGER, FLANGED ENDS ACCORDING TO ASME B16.47 SER.A OR SER.B
 - MFG. STD : BS1868 / API6D

STANDARD MATERIAL SPECIFICATIONS

NO	PART NAME	MATERIAL		
1	BODY	A216 - WCB	A217-WC6	A351 - CF8
2	BONNET	A216 - WCB	A217 - WC6	A351 - CF8
3	DISC	A217 - CA15+STL	A217 - CA15+STL	A351 - CF8+STL
4	ARM	A216 - WCB	A216 - WC6	A351 - CF8
5	ROD PIN	A479 - 410	A479 - 410	A479 - 304
6	BODY SEAT RING	A576 - 1020+STL(S20C)	A182 - F11+STL	A240 - 304+STL
7	PLUG BOLT	A307 - B	A479 - 304	A479 - 304
8	GASKET	SPIRAL WOUND / GRAPHITE+304+304		
9	PLUG GASKET	SOFT STEEL	304 S.S 304 S.S	
10	BONNET BOLT	A193 -B7	A193 -B16	A193 - B8
11	BONNET NUT	A194 - 2H	A194 -4	A194 - 8
12	DISC NUT	A194 - 8	A194 - 8	A194 - 8
13	PIN	304 S.S	304 S.S	304 S.S
14	WASHER	304 S.S	304 S.S 304 S.S	

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

DIMENSION AND WEIGHT

CLASS 150

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
L	203.2	241.3	292.1	355.6	495.3	622.3	698.5	787.4	863.6	977.9	977.9	1295.4	1295.4	1447.8	1524
L1	203.2	241.3	292.1	355.6	495.3	622.3	698.5	787.4	863.6	977.9	977.9	1295.4	-	-	-
H	160	190	225	260	320	350	380	405	460	505	570	680	865	918	962
WEIGHT (Kg)	16	26	45	78	136	214	319	412	514	749	933	1346	1727	1964	2247

CLASS 300

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
L	266.7	317.5	355.6	444.5	533.4	622.3	711.2	838.2	863.6	977.9	1016.0	1346.2	1346.2	1498.6	1593.9
L1	266.7	317.5	355.6	444.5	533.4	622.3	711.2	838.2	863.6	977.9	1016.0	1346.2	-	-	-
H	160	199	227	278	322	383	435	510	521	572	622	712	979	983	1115
WEIGHT (Kg)	21	42	54	124	222	291	444	632	796	1058	1210	1916	2000	2600	3664

CLASS 600

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24	26	30
L	292.1	355.6	431.8	558.8	660.4	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	-	1651
L1	292.1	355.6	431.8	558.8	660.4	787.4	838.2	889.0	990.6	1092.2	1193.8	1397.0	1448	-
H	197	210	256	329	364	464	486	572	660	711	787	864	1028	1135
WEIGHT (Kg)	31	56	103	204	342	624	776	938	1250	1518	2390	3686	4000	5502

CLASS 900

UNIT : mm

SIZE	2	3	4	6	8	10	12	14	16	18	20	24
L	368.3	381.0	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1217.2	1320.8	1549.4
L1	368.3	381.0	457.2	609.6	736.6	838.2	965.2	1028.7	1130.3	1217.2	1320.8	1549.4
H	267	290	306	338	460	500	578	647	710	785	850	1006
WEIGHT (Kg)	68	106	139	294	525	731	1025	1444	1850	2610	3407	5842

CLASS 1500

UNIT : mm

SIZE	2	3	4	6	8	10	12	16
L	368.3	469.9	546.1	704.9	831.9	990.6	1130.3	1384.3
L1	368.3	469.9	546.1	704.9	831.9	990.6	1130.3	1384.3
H	267	296	355	465	540	657	728	1116
WEIGHT (Kg)	73	125	212	470	825	960	1510	4630

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

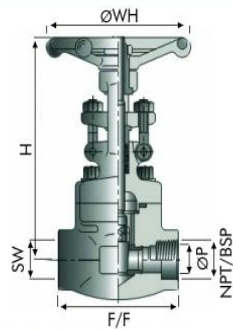
SRI RATNAM ENTERPRISES

FORGED STEEL VALVES

GATE VALVE >>>

MFG.STD. API 602

SCREWED END (NPT/BSP) B1.20.1, SOCKET WELD END B16.11, BUTT WELD END B16.25



NO.	DESCRIPTION	A105N	F304	F316	LF2
1	BODY	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
2	BONNET	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
3	WEDGE	SS-410	SS-304	SS-316	SS-304
4	SEAT RING	SS-410	SS-304	SS-316	SS-304
5	STEM	SS-410	SS-304	SS-316	SS-304
6	STEM NUT	EN1A	EN1A	EN1A	EN1A
7	GASKET	SS-304+GRAFOIL	SS-304+GRAFOIL	SS-316+GRAFOIL	SS-304+GRAFOIL
8	STEM PAKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOLT	B7	B8	B8	B7
10	HAND WHEEL	MI / SG IRON	MI / SG IRON	MI / SG IRON	MI / SG IRON

CLASS 800						CLASS 1500						CLASS 2500					
SIZE	F/F	O/P	H	OWH	WT	F/F	OP	H	OWH	WT	F/F	OP	H	OWH	WT	F/F	WT
15mm	73	9.5	151	86	1.4 kg	80	9.5	157	86	1.8 kg	100	9.5	186	116	3.3 kg		
20mm	80	12.7	157	86	1.6 kg	100	12.7	186	116	3.0 kg	120	12.7	237	150	6.8 kg		
25mm	100	17.5	186	116	2.8 kg	120	17.5	237	150	6.3 kg	140	17.5	278	150	12.6 kg		
32mm	120	23.8	237	150	5.7 kg	140	23.8	278	150	11.8 kg							
40mm	120	28.6	237	150	5.6 kg	140	28.6	278	150	11.5 kg							
50mm	140	36.5	278	150	10.5 kg												

HYDRO. TEST PRESSURE (Kg/cm2)

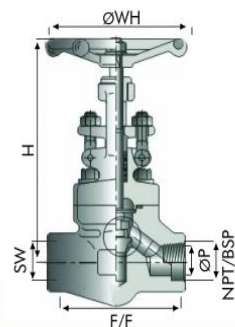
TESTING	800#	1500#	2500#
BODY	211	390	655
SEAT	153	290	485
BACKSEAT	153	290	485
PNEUMATIC SEAR	7Kg/cm2		

MFG.STD. ISO 15761

SCREWED END (NPT/BSP) B1.20.1, SOCKET WELD END B16.11, BUTT WELD END B16.25

GLOBE VALVE >>>

NO	DESCRIPTION	A105N	F304	F316	LF2
1	BODY	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
2	BONNET	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
3	DISC	SS-410	SS-304	SS-316	SS-304
4	SEAT RING	SS-410	SS-304	SS-316	SS-304
5	STEM	SS-410	SS-304	SS-316	SS-304
6	STEM NUT	EN1A	EN1A	EN1A	EN1A
7	GASKET	SS-304+GRAFOIL	SS-304+GRAFOIL	SS-316+GRAFOIL	SS-304+GRAFOIL
8	STEM PAKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOLT	B7	B8	B8	B7
10	HAND WHEEL	MI / SG IRON	MI / SG IRON	MI / SG IRON	MI / SG IRON



CLASS 800						CLASS 1500						CLASS 2500					
SIZE	F/F	O/P	H	OWH	WT	F/F	OP	H	OWH	WT	F/F	OP	H	OWH	WT	F/F	WT
15mm	73	9.5	159	86	1.3 kg	80	8.0	162	86	1.9 kg	100	7.0	191	116	3.4 kg		
20mm	80	12.7	162	86	1.6 kg	100	9.0	191	116	3.1 kg	145	12.5	228	150	7.1 kg		
25mm	100	17.5	191	116	2.9 kg	145	14.0	228	150	6.6 kg	140	15.5	272	150	12.3 kg		
32mm	145	23.8	228	150	6.2 kg	140	20.0	272	150	11.5 kg	-	-	-	-	-		
40mm	145	28.6	228	150	6.1 kg	140	25.0	272	150	11.2 kg	-	-	-	-	-		
50mm	140	29.5	272	150	10.2 kg	-	-	-	-	-	-	-	-	-	-		

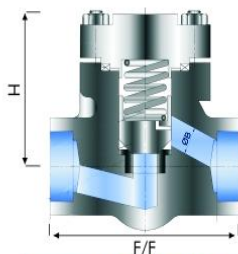
HYDRO. TEST PRESSURE (Kg/cm2)

TESTING	800#	1500#	2500#
BODY	211	390	655
SEAT	153	290	485
BACKSEAT	153	790	485
PNEUMATIC SEAR	7Kg/cm2		

LIFT CHECK VALVE >>>

MFG.STD. ISO 15761

SCREWED END (NPT/BSP) B1.20.1, SOCKET WELD END B16.11, BUTT WELD END B16.25



NO.	DESCRIPTION	A105N	F304	F316	LF2
1	BODY	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
2	COVER	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
3	DISC	SS-410	SS-304	SS-316	SS-304
4	SEAT RING	SS-410	SS-304	SS-316	SS-304
5	SPRING	SS-304	SS-304	SS-304	SS-304
6	BOLT	B7	B8	B8	B7

HYDRO. TEST PRESSURE (Kg/cm2)

TESTING	800#	1500#	2500#
BODY	211	390	655
SEAT	153	290	485

CLASS 800						CLASS 1500						CLASS 2500					
SIZE	F/F	O/P	H	WT	F/F	OP	H	WT	F/F	OP	H	WT	F/F	OP	H	WT	F/F
15mm	73	9.5	53	0.6 kg	80	8.0	56	0.9 kg	100	7.0	66	2.2 kg					
20mm	80	12.7	56	0.8 kg	100	9.0	66	2.0 kg	145	12.5	86	5.3 kg					
25mm	100	17.5	66	1.8 kg	145	14.0	86	4.9 kg	140	15.5	104	9.7 kg					
32mm	145	23.8	86	4.6 kg	140	20.0	104	9.0 kg	-	-	-	-					
40mm	145	28.6	86	4.5 kg	140	25.0	104	8.8 kg	-	-	-	-					
50mm	140	29.5	104	8.0 kg	-	-	-	-	-	-	-	-					

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

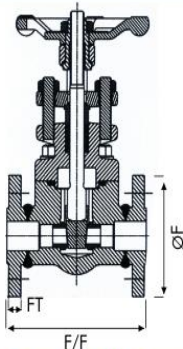
E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

GATE VALVE FLANGED END >>>

MFG.STD. API 602

FACE TO FACE B16.10, FLANGE DIMENSION B16.5



HYDRO. TEST PRESSURE(Kg/cm2)			
TESTING	1508	3008	6008
BODY	32	78	156
SEAT	22	56	115
BACKSEAT	22	56	115
PNEUMATIC SEAR - 7Kg/cm2			

NO	DESCRIPTION	A105N	F304	F316	LF2
1	BODY&BONNET	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
2	FLANGE	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
3	WEDGE	SS-410	SS-304	SS-316	SS-304
4	SEAT RING	SS-410	SS-304	SS-316	SS-304
5	STEM	SS-410	SS-304	SS-316	SS-304
6	STEM NUT	EN1A	EN1A	EN1A	EN1A
7	GASKET	SS-304+GRAFOIL	SS-304+GRAFOIL	SS-316+GRAFOIL	SS-304+GRAFOIL
8	STEM PAKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOLT	B7	B8	B8	B7
10	HAND WHEEL	MI / SG IRON	MI / SG IRON	MI / SG IRON	MI / SG IRON

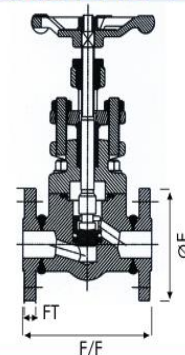
CLASS 150					CLASS 300				CLASS 600			
SIZE	F/F	O/P	H	WT	F/F	OP	H	WT	F/F	OP	H	WT
15mm	108	90	9.6	2.3 kg	140	95	12.7	2.9 kg	165	95	14.3	3.1 kg
20mm	117	100	11.2	2.9 kg	152	115	14.3	4.0 kg	190	115	15.9	4.5 kg
25mm	127	110	12.7	4.6 kg	165	125	15.9	5.8 kg	216	125	17.5	6.5 kg
32mm	140	115	14.3	7.5 kg	178	135	17.5	8.3 kg	229	135	20.7	9.1 kg
40mm	185	125	15.9	7.3 kg	190	155	19.1	8.0 kg	241	155	22.3	8.8 kg
50mm	203	150	17.5	14.5 kg	216	165	20.7	16.0 kg	292	165	25.4	19.3 kg

MFG.STD. ISO 15761

FACE TO FACE B16.10, FLANGE DIMENSION B16.5

GLOBE VALVE FLANGED END >>>

NO	DESCRIPTION	A105N	F304	F316	LF2
1	BODY&BONNET	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
2	FLANGE	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
3	WEDGE	SS-410	SS-304	SS-316	SS-304
4	SEAT RING	SS-410	SS-304	SS-316	SS-304
5	STEM	SS-410	SS-304	SS-316	SS-304
6	STEM NUT	EN1A	EN1A	EN1A	EN1A
7	GASKET	SS-304+GRAFOIL	SS-304+GRAFOIL	SS-316+GRAFOIL	SS-304+GRAFOIL
8	STEM PAKING	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	BOLT	B7	B8	B8	B7
10	HAND WHEEL	MI / SG IRON	MI / SG IRON	MI / SG IRON	MI / SG IRON



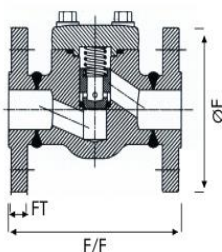
CLASS 150					CLASS 300				CLASS 600			
SIZE	F/F	O/P	H	WT	F/F	OP	H	WT	F/F	OP	H	WT
15mm	108	90	9.6	2.2 kg	152	95	12.7	2.8 kg	165	95	14.3	3.0 kg
20mm	117	100	11.2	2.9 kg	178	115	14.3	4.2 kg	190	115	15.9	4.5 kg
25mm	127	110	12.7	4.7 kg	203	125	15.9	6.3 kg	216	125	17.5	6.6 kg
32mm	140	115	14.3	8.1 kg	216	135	17.5	8.9 kg	229	135	20.7	9.8 kg
40mm	165	125	15.9	8.0 kg	229	155	19.1	9.8 kg	241	155	22.3	9.7 kg
50mm	203	150	17.5	13.0 kg	267	165	20.7	15.6 kg	292	165	25.4	18.0 kg

HYDRO. TEST PRESSURE(Kg/cm2)			
TESTING	150#	300#	600#
BODY	32	78	156
SEAT	22	56	115
BACKSEAT	22	56	115
PNEUMATIC SEAR - 7Kg/cm2			

LIFT CHECK VALVE FLANGED END>>>

MFG.STD. ISO 15761

FACE TO FACE B16.10, FLANGE DIMENSION B16.5



HYDRO. TEST PRESSURE(Kg/cm2)			
TESTING	150#	300#	600#
BODY	32	78	156
SEAT	22	56	115

NO	DESCRIPTION	A105N	F304	F316	LF2
1	BODY&BONNET	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
2	FLANGE	ASTMA105N	ASTMA182 F304	ASTMA 182 F316	ASTMA 350 LF2
3	DISC	SS-410	SS-304	SS-316	SS-304
4	SEAT RING	SS-410	SS-304	SS-316	SS-304
5	SPRING	SS-304	SS-304	SS-304	SS-304
6	BOLT	B7	B8	B8	B7

CLASS 150					CLASS 300				CLASS 600			
SIZE	F/F	O/P	H	WT	F/F	OP	H	WT	F/F	OP	H	WT
15mm	108	90	9.6	1.5 kg	152	95	12.7	1.7 kg	165	95	14.3	1.9 kg
20mm	117	100	11.2	2.1 kg	178	115	14.3	2.3 kg	190	115	15.9	2.5 kg
25mm	127	110	12.7	3.6 kg	203	125	15.9	4.0 kg	216	125	17.5	4.4 kg
32mm	140	115	14.3	6.5 kg	216	135	17.5	7.2 kg	229	135	20.7	7.9 kg
40mm	165	125	15.9	6.4 kg	229	155	19.1	7.0 kg	241	155	22.3	7.7 kg
50mm	203	150	17.5	10.8 kg	267	165	20.7	11.9 kg	292	165	25.4	13.1 kg

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

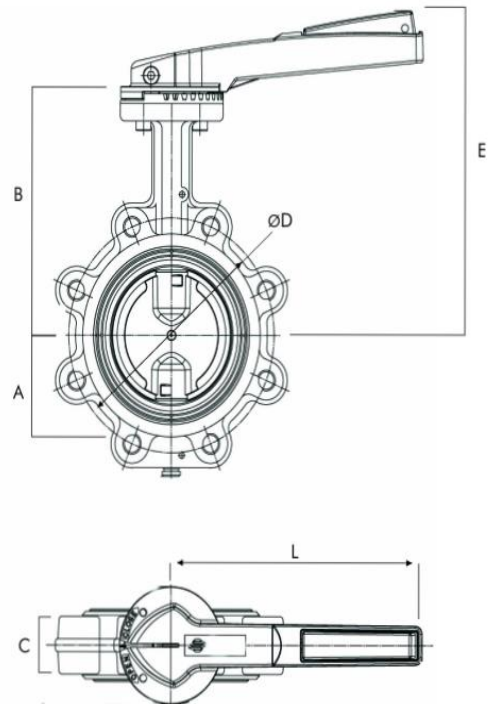
Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

BUTTERFLY VALVE

Valve Size	A	B	C	ØD	E	L	Weight (Approx)
MM	Inch						
40	1.1/2	58	103	33	40	124	1.700
50	2	60	117	43	50	138	2.400
65	2.1/2	67	122	46	65	143	2.900
80	3	75	129	46	80	150	3.100
100	4	97	149	57	100	176	4.500
125	5	108	158	56	125	188	6.400
150	6	120	174	56	150	206	8.100
200	8	147	198	60	200	230	11.300
250	10	215	260	68	241	327	28.000
300	12	250	284	78	290	351	33.000
350	14	265	310	78	334	377	44.000
400	16	303	350	102	382	417	75.000
450	18	333	378	114	433	-	110.00
500	20	355	410	127	476	-	141.00
550	22	365	424	140	448	-	145.00
600	24	435	457	154	590	-	245.00



BUTTERFLY VALVE DETAILS

SIZE	:	1.1/2"-48" (40mm-1200mm)
Body	:	CI/SGI/WCB/SS 304/SS316/SS316L
Disc	:	SGI/SS 304/SS316/SS316L / AL BR
Moulded Seat	:	NBR/EPDM/VITON/SILICONE/PTFE
Oper. Temp.	:	Up to 80 TO 120° C
Working Pressure	:	Up to 10 Kg/Cm ² /16 Kg/Cm ²
End Connection	:	Wafer Type to Suit 150#/ LUG TYPE / DOUBLE FLANGED
Operation	:	Lever / Gear
MFG. STD.	:	API 609 CATEGORY A / BS 5155 / MSS SP-67

TYPE

Seat Leakage	:	Tight Shut Off
Leakage Class	:	VI
Stem	:	STEM
Valve Type	:	Centric Disc / Off Centric / Triple off Centric Disc Butterfly Valve with a single piece rubber lined / metal seated body



WAFER TYPE BUTTERFLY VALVE LEVER OPERATED

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

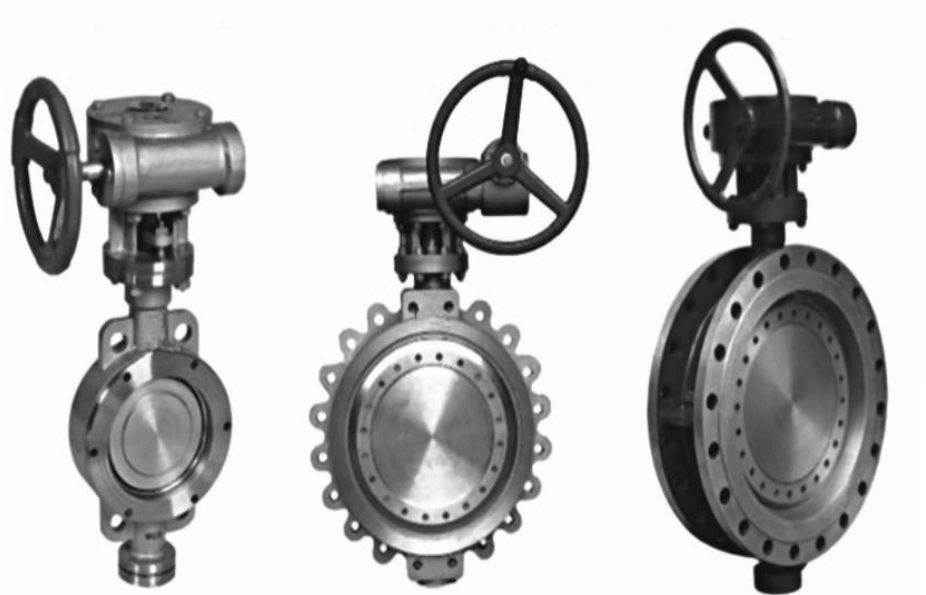
SRI RATNAM ENTERPRISES



**DOUBLE FLANGED BUTTERFLY VALVE
GEAR OPERATED**



**PTFE / PFA LINED BUTTERFLY VALVE
GEAR OPERATED**



OFF CENTRIC DISC BUTTERFLY VALVE

OFFICE: 7/22, 22, Saraya Colony Apartments, Nandanagarpet, Kankinadu, Tirumala Taluk, Nellore District, Andhra Pradesh, India - 524001.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

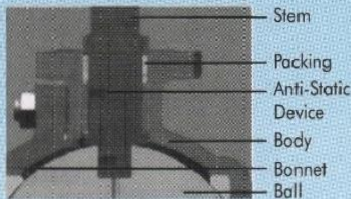
E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

BALL VALVES

BALL CONSTRUCTION

BALL is a heart of Ball valve. Owing to the accurate manufacturing the ball is extremely spherical. Its mirror finish surface increases the sealing life and low operating torque. Precision-machined ball outer surface proves superior quality in low torque and no leakage. Electroless Nickel coated ball are also available on request. Flow chem selects seat support ball or trunnion mounted ball depending on each size and specification.

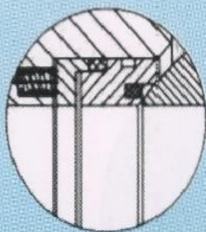
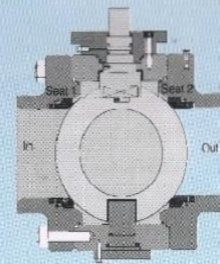


ANTI-STATIC DEVICE AND BLOWOUT PROOF

Anti-static device is formed through metal to metal contact, The stem is grounded against body and ball by separate anti-static spring to avoid from any electric spark. The blow out proof over size stem operate the valve safely even at high differential pressure. A bottom stem seal enabling replacement of gland packing even when valve may under pressure.

DOUBLE BLOCK & BLEED WITH BODY DRAIN

A valve with trunnion supported ball having two floating & spring loaded seats, In closed position they provide blockage of flow from both end when the cavity pressure is vented or drained.

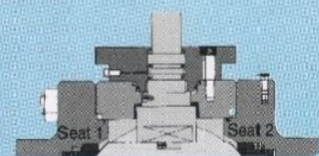


PROTECTED SEATS WITH SECONDARY METALLIC SEATS PTFE

seats are located in grooves, well protected against damage and cold flow of seat under pressure.

SEALANT SYSTEM & LUBRICANT

Ball valve of size 6" & above shall be provided an emergency sealant injection system if required by customer. The lubricant & sealant fittings are located near seat area and at stem neck. The lubricant sealant enter via inject fitting and pass around the seat ring. The lubricant will lower the torque in valve and sealant will provide sealing for minor damage such as scratches on seal faces, Valves are designed to provide the ability for a temporary function.



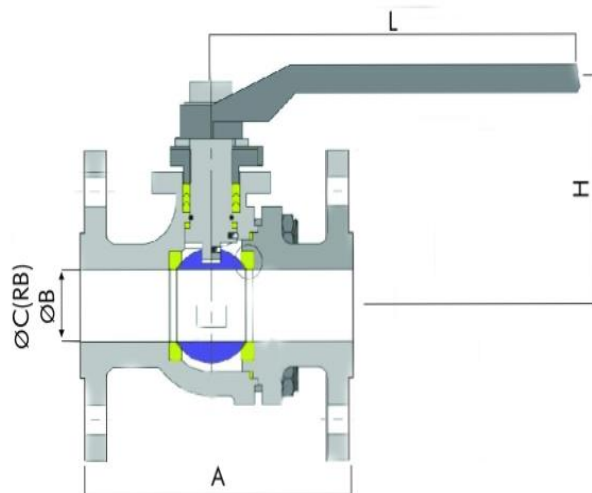
SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

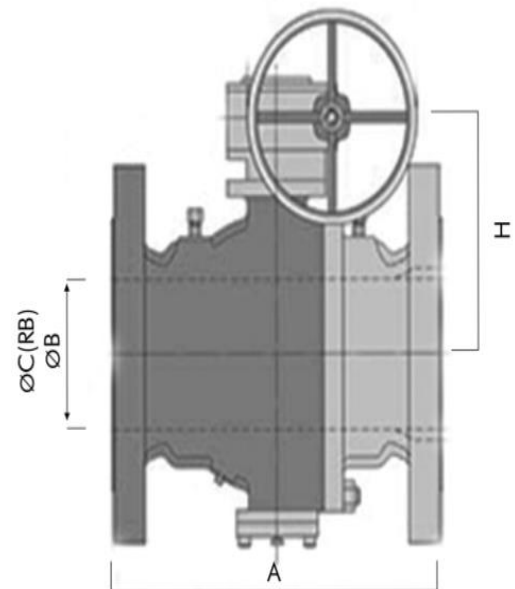
Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES



Ball Valve - 2 Pcs. Design
(Floating, Lever Operated, Full Bore)



Ball Valve - 2 Pcs. Design
(Trunnion Mounted, Gear Operated, Full Bore)

- RF :- Raise Face Flanged End
- BW :- Butt weld
- FO :- Floating Ball
- TR :- Trunnion Mounted Ball
- FB :- Full Bore
- RB :- Reduce Bore
- MFG STD. : API 6D

CLASS 150

	A		ØB	ØC	H (FB)		H (RB)		L	
	RF	BW			FO	TR	FO	TR	FB	RB
15MM	108	140	12.5	12.5	65	-	65	-	165	165
20	118	152	18	12.5	70	-	65	-	165	165
25	127	165	25	18	75	-	70	-	165	165
32	140	178	32	25	85	-	75	-	165	165
40	165	190	38	32	90	-	85	-	230	200
50	178	216	50	35	105	135	95	-	280	230
65	190	241	65	50	115	150	105	135	280	230
80	203	283	76	65	125	160	130	150	350	350
100	229	305	102	76	160	190	150	160	400	350
125	254	-	127	102	185	240	160	190	450	400
150	267	403	152	102	208	-	174	250	450	400
150	394	457	152	102	-	280	-	-	-	-
200	457	521	203	152	-	325	-	280	-	-
250	533	559	254	203	-	370	-	325	-	-
300	610	635	305	254	-	412	-	370	-	-
350	686	762	340	305	-	510	-	412	-	-
400	762	838	390	340	-	560	-	510	-	-

CLASS 300

	A		ØB	ØC	H (FB)		H (RB)		L	
	RF	BW			FO	TR	FO	TR	FB	RB
15MM	140	140	12	12.5	80	-	80	-	200	200
20	152	152	18	12.5	85	-	80	-	200	200
25	165	165	25	18	95	-	85	-	200	200
32	178	178	35	25	95	-	95	-	200	200
40	190	190	38	32	90	-	95	-	280	230
50	216	216	50	38	105	135	90	-	350	280
65	241	241	65	50	130	150	105	135	350	350
80	283	283	76	65	140	160	130	150	400	350
100	305	305	102	76	170	190	140	160	450	400
150	403	457	152	102	220	280	190	250	450	450
200	502	521	203	152	-	353	-	280	-	-
250	568	559	254	203	-	415	-	353	-	-
300	648	635	305	254	-	485	-	415	-	-
350	762	762	340	305	-	527	-	485	-	-
400	838	838	390	340	-	560	-	527	-	-

OFFICE: 9-7/21, D5, Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India 533005.

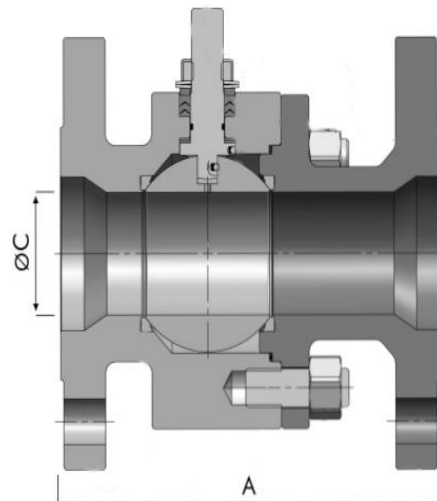
Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

CLASS 600

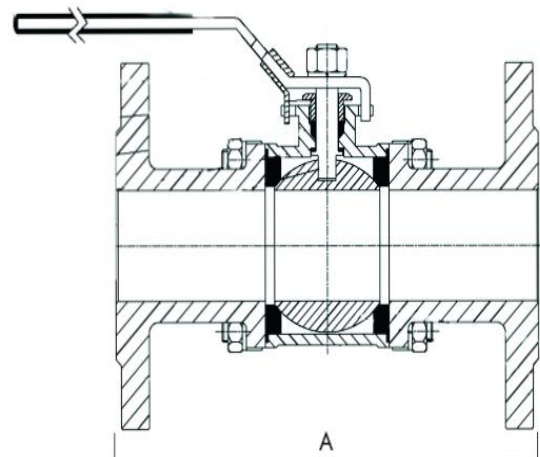
	A		ØB	ØC	H (FB)		H (RB)		L	
	RF	BW			FO	TR	FO	TR	FB	RB
15MM	165	165	12.5	12.5	65	-	65	-	-	-
20	190	190	18	12.5	75	-	65	-	-	-
25	216	216	25	18	85	-	75	-	-	-
32	229	229	32	25	90	-	85	-	-	-
40	241	241	38	32	95	-	90	-	-	-
50	292	292	50	38	-	150	-	-	350	280
80	356	356	75	65	-	175	-	150	400	350
100	432	432	102	75	-	265	-	175	-	-
150	559	559	152	102	-	305	-	265	-	-
200	660	660	203	152	-	410	-	305	-	-
250	787	787	254	203	-	450	-	410	-	-
300	838	838	305	254	-	495	-	450	-	-
350	889	889	340	305	-	525	-	495	-	-
400	991	991	390	340	-	605	-	525	-	-



Ball Valve - 2 Pcs. Design
(Floating, Lever Operated, Reduce Bore)

CLASS 900

	A		ØB	ØC	H (FB)		H (RB)		L	
	RF	BW			FO	TR	FO	TR	FB	RB
15MM	216	216	12.5	12.5	-	90	-	90	230	230
20	229	229	18	12.5	-	105	-	90	280	230
25	254	254	25	18	-	127	-	110	280	200
40	305	305	38	32	-	140	-	135	400	350
50	368	368	50	38	-	150	-	143	400	400
80	381	381	76	65	-	190	-	150	450	400
100	457	457	102	76	-	285	-	190	-	-
150	607	607	152	102	-	395	-	285	-	-
200	737	737	203	152	-	430	-	395	-	-
250	838	838	254	203	-	470	-	430	-	-
300	965	965	305	254	-	520	-	470	-	-
350	1029	1029	340	305	-	580	-	520	-	-



Ball Valve - 3 Pcs. Design
(Floating, Lever Operated, Full Bore)

CLASS 1500

	A		ØB	ØC	H (FB)		H (RB)		L	
	RF	BW			FO	TR	FO	TR	FB	RB
15MM	216	216	12.5	12.5	-	90	-	90	230	230
20	229	229	18	12.5	-	105	-	90	280	230
25	254	254	25	18	-	127	-	105	280	280
40	305	305	38	25	-	142	-	125	350	280
50	368	368	50	38	-	150	-	135	400	350
80	470	470	76	65	-	190	-	150	450	400
100	546	546	102	76	-	285	-	190	-	-
150	705	705	152	102	-	325	-	285	-	-

- RF :- Raise Face Flanged End
- BW :- Butt weld
- FO :- Floating Ball
- TR :- Trunion Mounted Ball
- FB :- Full Bore
- RB :- Reduce Bore

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

BALL VALVE-MOTORISED



PARTS	MATERIAL		
	SS 316	SS 304	CAST STEEL
BODY & SIDE PEACE	ASTMA351 GR CF8M	ASTMA351 GR CF8	ASTMA216 GR WCB
BALL	ASTMA351 GR CF8M	ASTMA351 GR CF8	ASTMA351 GR CF8M
STEM	SS 316	SS 316	SS 316
STUD &	ASTMA193 B8/	ASTMA 193 B8/	ASTMA193 B7/
NUTS	ASTMA194 8	ASTMA194 8	ASTMA194 2H
SEAT	PTFE / GPTFE	PTFE / GPTFE	PTFE / GPTFE
BODY	PTFE /	PTFE /	PTFE /
GASKET	GRAFOIL	GRAFOIL	GRAFOIL
GLAND	PTFE /	PTFE /	PTFE /
PACKING	GRAFOIL	GRAFOIL	GRAFOIL
LEVER	SS/CS	SS / CS	CS

PECO VALVES

offer Remote Operated Ball valve fitted with Pneumatic Actuator .

In Pneumatic Actuator We have three options,

1. DOUBLE ACTING
2. SPRING RETURN
3. DOUBLE ACTING FAIL-SAFE.

The Pneumatically operated Ball valves are provided with Accessories like

- (1) Manual over-ride
- (2) Solenoid valve
- (3) Limit switches. Torque switches, ON-OFF local and remote indication.

WE CAN ALSO PROVIDE 0.003" ELECTROLESS NICKEL PLATING ON BODY, BALL & STEM ON CUSTOMER'S REQUEST.

SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

BALL VALVE-GEAR OPERATED



OPERATING TORQUE

SIZE	FB	15	20	25	32	40	50	65	80	100	150	200	250	300	350
Nt.mt.	NM	4	8	14	28	33	55	75	110	245	505	1075	1600	2230	3030

FLOW COEFFICIENT (Cv)

Flow Coefficients by definition is the volume of water in Gallon per minute what will flow through valve at pressure drop of one psi.

SIZE	15	20	25	32	40	50	65	80	100	150	200	250	300	350
FB	28	50	96	200	270	500	1100	1320	2400	5500	10000	13500	18200	22000
RB	28	26	50	95	190	270	500	1100	1300	2400	5500	10000	13500	18200

These torque values and Cv Values have been measured by our Q.C. Department on the average through out the actual test experience. However the values can be fluctuated in accordance with seat material and its design, hence these data can be considered as referential information.

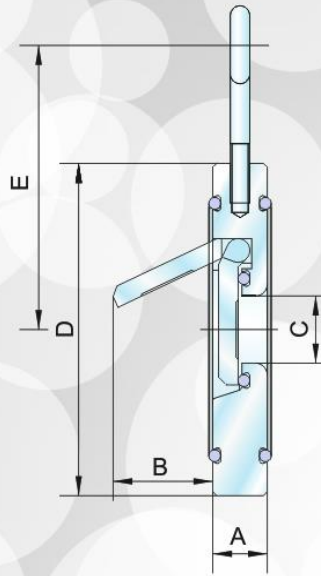
SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES



SIZE		A	B	C	D			E	Weight (kg)
in	DN				PN10	PN16	ANSI 150		
1-1/2	40	14	30	22	95	95	86	97	0.7
2	50	14	35	32	109	109	105	104	0.9
2-1/2	65	14	48	40	129	129	124	114	1.2
3	80	14	60	54	144	144	137	122	1.5
4	100	18	78	70	164	164	175	132	2.4
5	125	18	98	92	195	195	197	147	3.4
6	150	20	117	112	220	220	222	160	4.6
8	200	22	160	154	275	275	279	187	7.5
10	250	26	200	200	330	332	339	219	15.3
12	300	32	235	240	380	387	409	255	23.0



FIRE SAFE AS PER API 607 & API 6FA

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.

SRI RATNAM ENTERPRISES

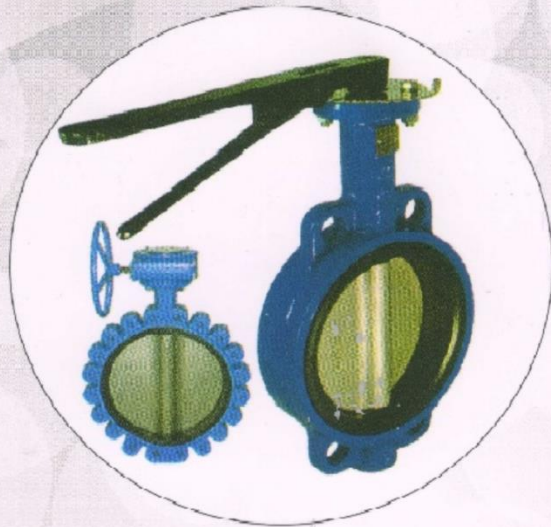


RANGE

- Gate Valves
- Globe Valves
- Check Valves
- Ball Valves
- Butterfly Valves
- Wafer Check Valves
- Forged Steel Valves

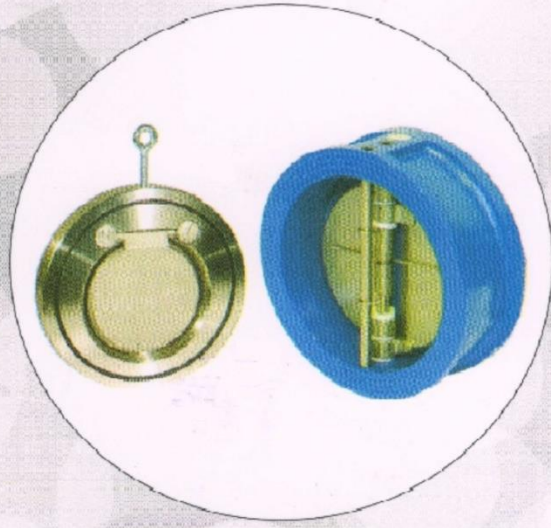
MATERIALS

- Cast - Carbon Steel
- Cast - Stainless Steel
- Alloy Steel
- High Exotic Alloys
- Other Materials on Request



CONFIRMING TO STANDARD

- ASME B 16.34
- ASME B 16.5 (FLANGE CONFORMANCE)
- ASME B 16.10 (FACE TO FACE CONFORMANCE)
- API-6D (SPECIFICATION FOR BALL, CHECK & CONDUIT GATE VALVE)
- API 600 (SPECIFICATION FOR GATE VALVE)
- API 6A (SPECIFICATION FOR DOWNSTREAM GATE & CHECK VALVE)
- RESPECTIVE BS STANDARD



SRI RATNAM ENTERPRISES

OFFICE: 9-7/21; D5; Sandya Serenity Apartments, Ramanayyapeta, Kakinada, Andhra Pradesh, India-533005.

Tele Fax: (91-884)2372783, Mobile: +91-8332851689,

E-mail: sales@sriratnamenterprises.com , Web: www.sriratnamenterprises.com.