

SCI BUTTERFLY VALVE



SCI Butterfly Valves are manufactured and tested in accordance with BS EN 593, AWWA C504 and also meet the BS EN 1092-2 PN 10, 16 Flanged standard. Face to Face comply with both Long Body and Short Body BS 5155 standard. Valves are designed for Vertical, Horizontal and Flat position all types of water, air and steam (please specify).

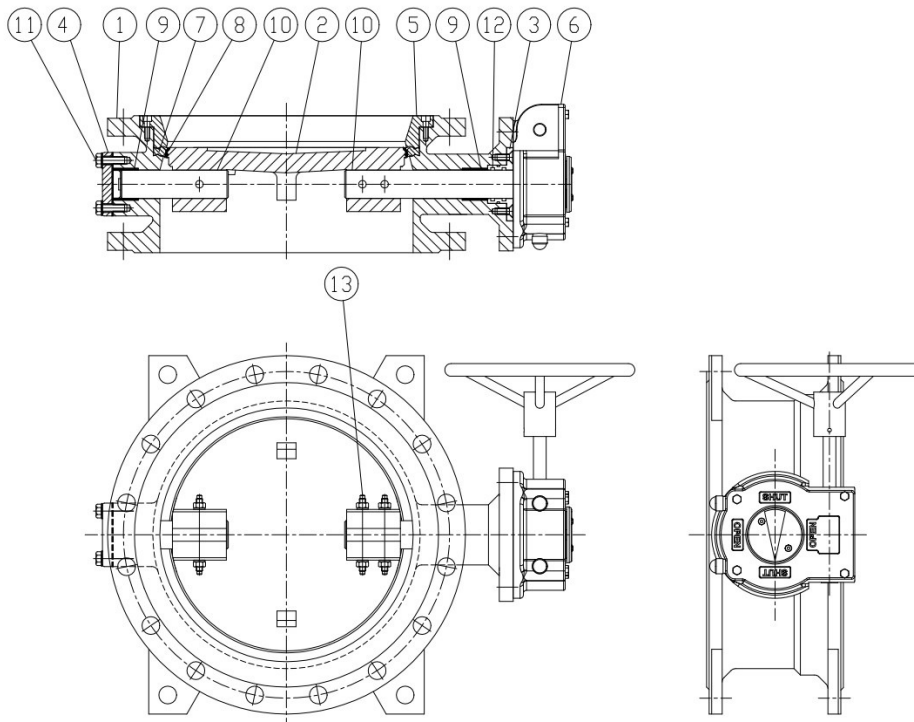
FEATURES

- Rubber seal Body.
- Robust stainless steel shaft.
- Cast Iron or Ductile Iron Body
- Ductile Iron Disc.
- Stainless steel or Galvanized steel Bolts&Nuts.
- Replaceable Rubber seal.
- Stainless steel Disc seat.
- Bush Bearing provided low friction.

DESIGN SPECIFICATIONS

- Size: 50 mm to 3500 mm
- Working Pressure: 6, 10, 16, 25 Bar
- Shell test: 1.5xPN
- Seat test: 1.1xPN
- All international flange connections and coating are available
- Application fluid: water, sea water, oil, sewage
- Actuator type : Hand wheel, Lever arm, Chain wheel, Gear, Cylinder or Electric motor.
- Option Locking Device

MATERIALS



NO.	PARTS	MATERIAL	BS.SPECIFICATION
1	Body	Cast Iron	EN 1561-EN-GJL-250
		Ductile Iron	EN1563-EN-GJS-500-7
2	Disc	Ductile Iron	EN1563-EN-GJS-500-7
3	Gland	Gunmetal	EN1982-CC491K
4	End Plate	Cast Iron	EN 1561-EN-GJL-250
		Ductile Iron	EN1563-EN-GJS-500-7
5	Seat Holder	Cast Iron	EN 1561-EN-GJL-250
		Ductile Iron	EN1563-EN-GJS-500-7
6	Gear Operator	-	-
7	Body Seat Ring	Rubber (NBR ,EPDM)	EN681-1
8	Disc Seat Ring	Stainless Steel Overlay	EN10088 Grade 1.4301
9	Bushing	Self Lubricated	-
10	Shaft	Stainless Steel	EN10088 Grade 1.4301,1.4401,1.4021,1.4057
11	End Plate Bolt	Stainless Steel	EN10088 Grade 1.4301,1.4401
		Galvanized Steel	4190
12	O-Ring	Rubber (NBR ,EPDM)	EN681-1
13	Shaft Stud & Nut	Stainless Steel	EN10088 Grade 1.4301,1.4401,1.4057

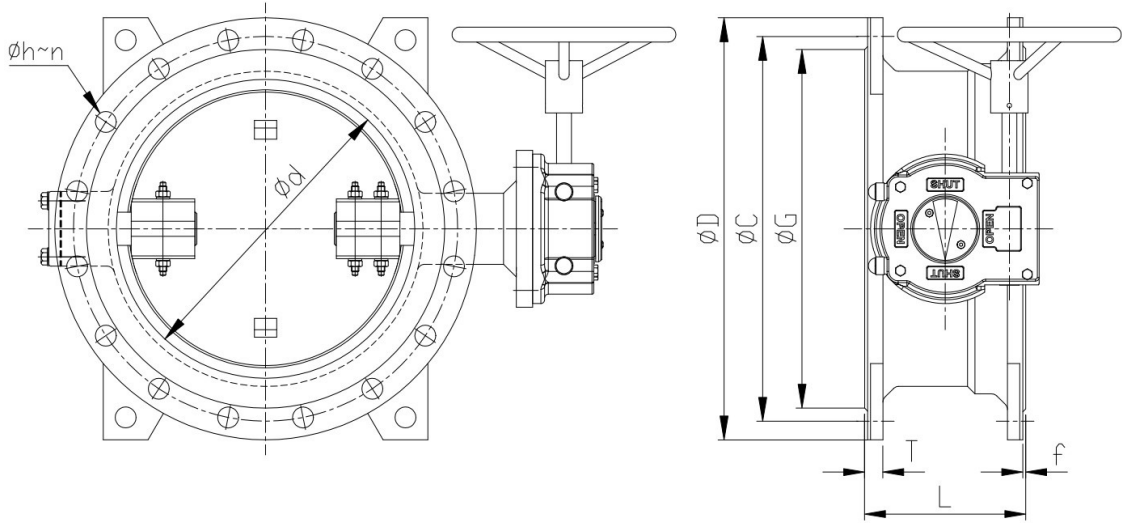

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ISO 9001
 File No. 438881 QM08
 ISO 14001
 File No. 438881 UM

DIMENSIONS



SIZE	L	Flanged BS. EN1092-2 PN10 Ductile Iron							Flange BS EN 1092-2 PN 16 Ductile Iron						
		ØD	ØC	ØG	Øh	n	T	f	ØD	ØC	ØG	Øh	n	T	f
50	150	165	125	99	19	4	19	3	165	125	99	19	4	19	3
80	180	200	160	132	19	8	19	3	200	160	132	19	8	19	3
100	190	220	180	156	19	8	19	3	220	180	156	19	8	19	3
150	210	285	240	211	23	8	19	3	285	240	211	23	8	19	3
200	230	340	295	266	23	8	20	3	340	295	266	23	12	20	3
250	250	395	350	319	23	12	22	3	405	355	319	28	12	22	3
300	270	445	400	370	23	12	24.5	4	460	410	370	28	12	24.5	4
350	290	505	460	429	23	16	24.5	4	520	470	429	28	16	26.5	4
400	310	565	515	480	28	16	24.5	4	580	525	480	31	16	28	4
450	330	615	565	530	28	20	25.5	4	640	585	548	31	20	30	4
500	350	670	620	582	28	20	26.5	4	715	650	609	34	20	31.5	4
600	390	780	725	682	31	20	30	5	840	770	720	37	20	36	5
700	430	895	840	794	31	24	33	5	910	840	794	37	24	39.5	5
800	470	1015	950	901	34	24	35	5	1025	950	901	41	24	43	5
1000	550	1230	1160	1112	37	28	40	5	1255	1170	1112	44	28	50	5
1200	630	1455	1380	1328	41	32	45	5	1485	1390	1328	50	32	57	5

SIZE	L	Flanged BS. EN1092-2 PN10 Cast Iron							Flanged BS EN 1092-2 PN 16 Cast Iron						
		ØD	ØC	ØG	Øh	n	T	f	ØD	ØC	ØG	Øh	n	T	f
50	150	165	125	99	19	4	20	3	165	125	99	19	4	20	3
80	180	200	160	132	19	8	22	3	200	160	132	19	8	22	3
100	190	220	180	156	19	8	24	3	220	180	156	19	8	24	3
150	210	285	240	211	23	8	26	3	285	240	211	23	8	26	3
200	230	340	295	266	23	8	26	3	340	295	266	23	12	30	3
250	250	395	350	319	23	12	28	3	405	355	319	28	12	32	3
300	270	445	400	370	23	12	28	4	460	410	370	28	12	32	4
350	290	505	460	429	23	16	30	4	520	470	429	28	16	36	4
400	310	565	515	480	28	16	32	4	580	525	480	31	16	38	4
450	330	615	565	530	28	20	32	4	640	585	548	31	20	40	4
500	350	670	620	582	28	20	34	4	715	650	609	34	20	42	4
600	390	780	725	682	31	20	36	5	840	770	720	37	20	48	5
700	430	895	840	794	31	24	40	5	910	840	794	37	24	54	5
800	470	1015	950	901	34	24	44	5	1025	950	901	41	24	58	5
1000	550	1230	1160	1112	37	28	50	5	1255	1170	1112	44	28	66	5
1200	630	1455	1380	1328	41	32	56	5	-	-	-	-	-	-	-



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