

GENERAL INFORMATION

Valve body and discs/flaps are designed to provide minimum resistance. Sealing is provided by a t-section sealing ring which is circumferentially attached to the edge of the flap by a press ring. Precise tightness is ensured on both sides since the sealing ring on the clapper pushes the conical treated body site in the closed position. The sealing ring can be easily changed without disassembling the disc. Since the seat surface is made of hard chrome or AISI 316 stainless steel weld filler, the seat surface is resistant to abrasion and corrosion. Our butterfly valves are manufactured as double eccentric. The purpose of the first eccentric is as follows: the pressure on the rubber sealing ring is reduced, the abrasive effect is raised, and the continuous contact between the sealing ring and the body site is achieved. During opening of the valve, the rubber sealing ring is easily separated from the body seat with the help of the second eccentricity. The valve incorporates a two-piece shaft design which increases the cross-section. The shaft seal is made of bronze and delrin and the self-lubricating bushings are made on the O-ring system, ensuring that the valves are longer than maintenance.

Working Temperature: -10°C +90°C

Design: TS EN 593

Face to Face: TS EN 558-1

Flange Connection: EN 1092-2; ISO 7005-2

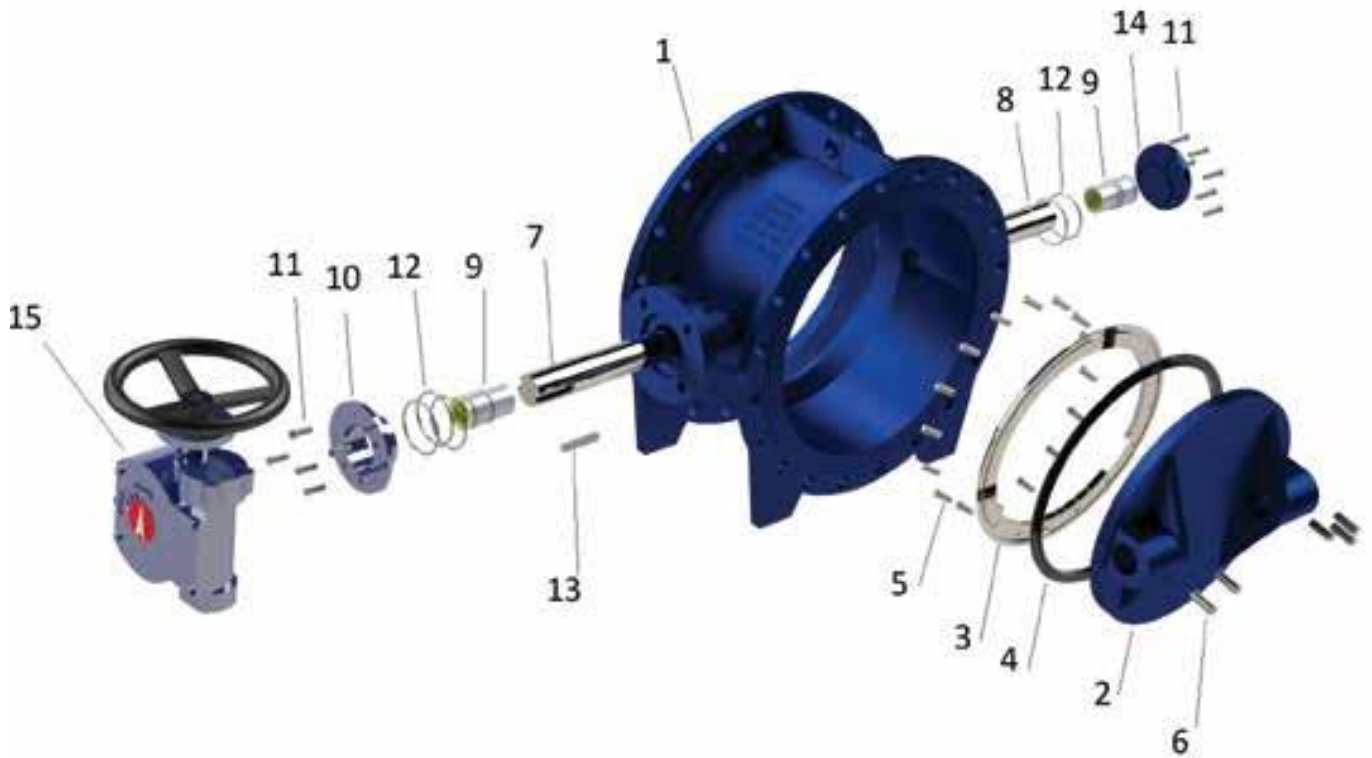
Accessories: Electrical Actuator



PRODUCT DESCRIPTION

- Double Eccentric Butterfly valves are operating by a circular body, by %100 tight sealing through quarter turn (90 degree) disc rotating around its own axis.
- Robust welded (AISI 308-316 LSI) and high precision machined stainless steel surface
- Perfect sealing on the stem with multi oring system on the front and rear seals
- High corrosion resistance and high strength bronze bush
- Minimum AISI 420 stainless steel mill with blade connection.
- AISI 420 Stainless Steel Stems with clamp connection
- The body is coated with electrostatic fusion bonded epoxy (FBE) with WRAS Approval

MATERIAL SPECIFICATONS



PART NO	PART NAME	MATERIAL	EXPLANATION
1	BODY	EN-GJS 400-500(GGG40,GGG50)	DUCTILE IRON
2	DISC	EN-GJS 400-500(GGG40,GGG50)	DUCTILE IRON
3	RETAINING RING	ST37 / SS304	ST37 / SS 304
4	DISC GASKET	EPDM / NBR	RUBBER
5	BOLT FOR COVER	A2 / Stainless Steel	-
6	SETSCREW	A2 / Stainless Steel	-
7	LONG STEM	X20CR13 / 316L	-
8	SHORT STEM	X20CR13 / 316L	-
9	BUSH	BRONZ / BRONZE	BRONZE
10	COVER	EN-GJS-500(GGG50)	DUCTILE IRON
11	BOLT FOR COVER	A2 / Stainless Steel	-
12	O-RING	EPDM	-
13	KEY	Ck45	-
14	COVER	EN-GJS-500(GGG50)	DUCTILE IRON
15	GEARBOX	-	-

TECNICAL SPECIFICATONS

Nominal Diameter:

DN100,125,150,200,250,300,350,400,450,500,550,600,700,800,900,1000,1100,1200,1300,1400,1500,1600,1800,2000,2200.

Pressure Nominal:

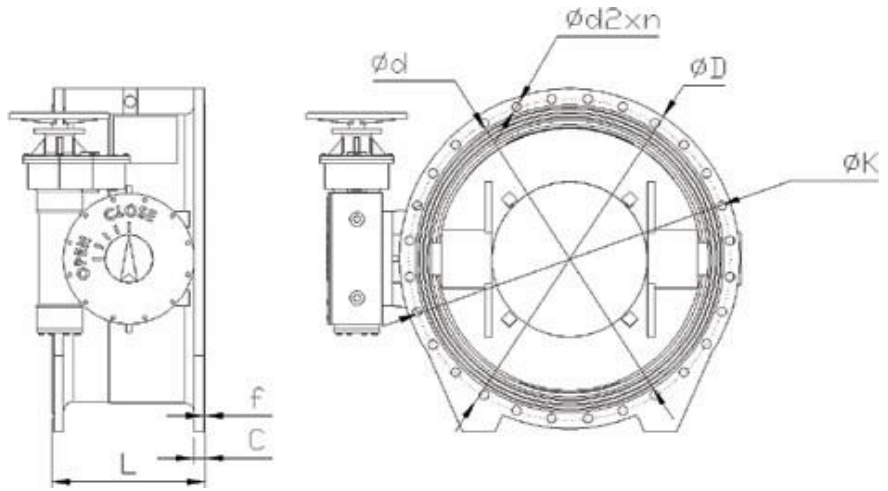
PN10-16-25-40

Standards:

TS EN 558 SER14, DIN3202 F4, TS EN 593+A1, TS EN 1092-2

Casting Standard:

EN 1563:2011(EN)



DN	PN 10						PN 16						PN 25						PN 40					
DN	L	f	ØD	ØK	Ød	C	d2xn	ØD	ØK	Ød	C	d2xn	ØD	ØK	Ød	C	d2xn	ØD	ØK	Ød	C	d2xn		
100	190	3	220	180	156	19	19x8	220	180	156	19	19x8	235	190	156	19	23x8	235	190	156	19	23x8		
125	200	3	250	210	184	19	19x8	250	210	184	19	19x8	270	220	184	19	28x8	270	220	184	23,5	28x8		
150	210	3	285	240	211	19	23x8	285	240	211	19	23x8	300	250	211	20	28x8	300	250	211	26	28x8		
200	230	3	340	295	266	20	23x8	340	295	266	20	23x12	380	310	274	22	28x12	375	320	284	30	31x12		
250	250	3	405	350	319	22	23x12	405	355	319	22	28x12	425	370	330	24,5	28x16	450	385	345	34,5	34x12		
300	270	4	460	400	370	24,5	23x12	460	410	370	24,5	28x12	485	430	389	27,5	31x16	515	450	409	39,5	34x16		
350	290	4	505	460	429	24,5	23x16	520	470	429	26,5	28x16	555	490	448	30	34x16	580	510	465	44	37x16		
400	310	4	565	515	480	24,5	28x16	580	525	480	28	31x16	620	550	503	32	37x16	660	585	535	48	41x16		
450	330	4	615	565	530	25,5	28x20	640	585	548	30	31x20	670	600	548	34,5	37x20	685	610	560	49	41x20		
500	350	4	670	620	582	28,5	28x20	715	650	609	31,5	34x20	730	660	609	36,5	37x20	755	670	615	52	44x20		
600	390	5	780	725	682	30	31x20	840	770	720	36	37x20	845	770	720	42	41x20	890	795	735	58	50x20		
700	430	5	895	840	794	32,5	31x24	910	840	794	39,5	37x24	960	875	820	46,5	44x24	995	900	840	64	50x24		
800	470	5	1015	950	901	35	34x24	1025	950	901	43	41x24	1085	990	928	51	50x24	1140	1030	960	72	57x24		
900	510	5	1115	1050	1001	37,5	34x28	1125	1050	1001	46,5	41x28	1165	1090	1028	55,5	50x28	1250	1140	1070	80	57x28		
1000	550	5	1230	1160	1112	40	37x28	1255	1170	1112	50	44x28	1320	1210	1140	60	57x28	1360	1250	1180	95	57x28		
1100	590	5	1355	1270	1218	53,5	37x32	1355	1270	1218	53,5	44x32	1420	1310	1240	64,5	57x32	-	-	-	-	-		
1200	630	5	1455	1380	1328	45	41x32	1485	1390	1328	57	50x32	1530	1420	1350	69	57x32	1575	1460	1380	95	62x32		
1300	670	5	1585	1490	1432	59	42x32	1585	1490	1432	59	50x32	-	-	-	-	-	-	-	-	-	-		
1400	710	5	1675	1590	1530	46	44x36	1685	1590	1530	60	50x36	1755	1640	1560	74	62x36	1795	1680	1600	105	62x36		
1500	750	5	1820	1700	1640	47	44x36	1820	1710	1640	62,5	57x36	1865	1750	1678	77,5	62x36	-	-	-	-	-		
1600	790	5	1915	1820	1750	49	50x40	1930	1820	1750	65	57x40	1975	1860	1780	81	62x40	2025	1900	1815	120	70x40		
1800	870	5	2115	2020	1950	52	50x44	2130	2020	1950	70	57x44	2195	2070	1985	88	70x44	2240	2110	2010	165	70x48		
2000	950	5	2325	2230	2150	55	50x48	2345	2230	2150	75	62x48	2425	2300	2210	95	70x48	-	-	-	-	-		
2200	1030	6	2555	2440	2370	65	57x52	2555	2440	2360	80	62x52	-	-	-	-	-	-	-	-	-	-		



DN	Kv VALUES OF BUTTERFLY VALVE							
	Kv VALUES AT VARIOUS OPENING POSITIONS							
DEGREE	20°	30°	40°	50°	60°	70°	80°	90°
DN 100	12.3	26.5	62.1	124.3	168.3	312	496	625
DN 150	51.2	104	173	276	442	717	1042	1186
DN 200	108	191	304	489	794	1261	1855	2153
DN 250	177	310	486	769	1243	1990	2898	3363
DN 300	252	446	699	1098	1787	2836	4215	4844
DN 350	347	613	942	1485	2455	4256	6592	8814
DN 400	454	799	1229	1957	3210	5544	8620	11580
DN 450	579	910	1573	2494	4089	7079	10897	14490
DN 500	710	1240	1960	3055	4964	8685	13320	17800
DN 600	1009	1762	2768	4399	7074	12255	19573	25365
DN 700	1362	2423	3766	5988	9630	16845	25835	34540
DN 800	1779	3039	4875	7830	12640	21785	33745	45095
DN 900	2239	3923	6164	9792	16084	27568	43148	57080
DN 1000	2779	4944	7609	12202	194448	34040	52725	70458

Kv Values are given in m³ / s.

Kv values are calculated according to the following values :the maximum fluid velocity is 5 m / s, the pressure difference is 1 bar and the fluid temperature is between 5 ° C and 30 ° C.

