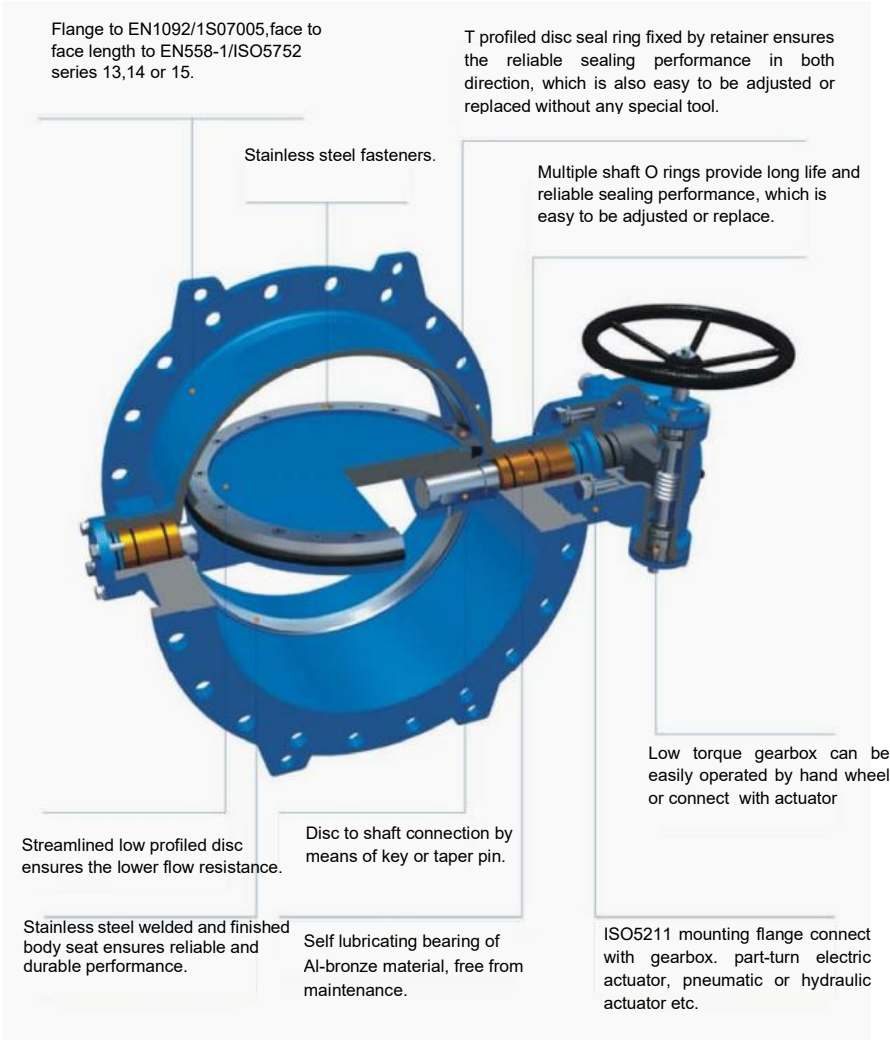
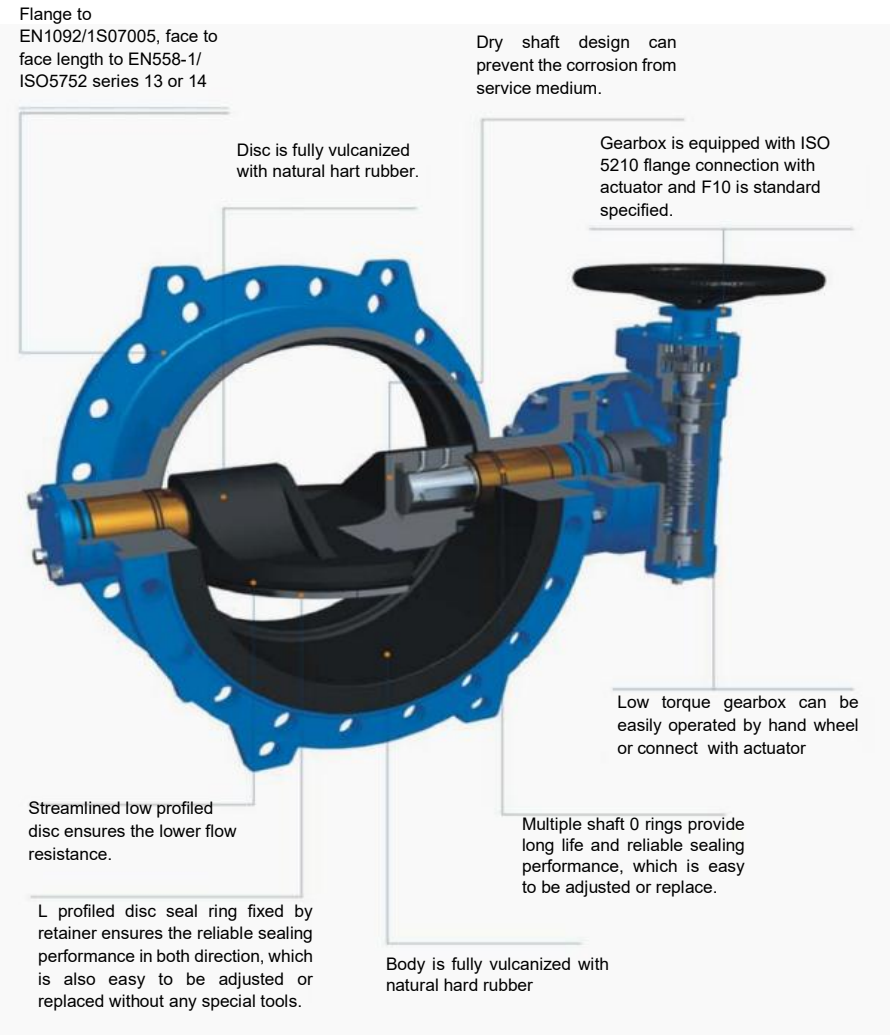


DOUBLE ECCENTRIC DOUBLE FLANGE BUTTERFLY VALVE



DOUBLE ECCENTRIC DOUBLE FLANGE BUTTERFLY VALVE

Double fanged type
Face to face length acc. to EN558-1 series 14/13/15 (ISO 5752 series 14/13/15, DIN 3202 F4/F5)
Flange dimensions and drilling acc. to EN1092-2 (ISO 7005-2)

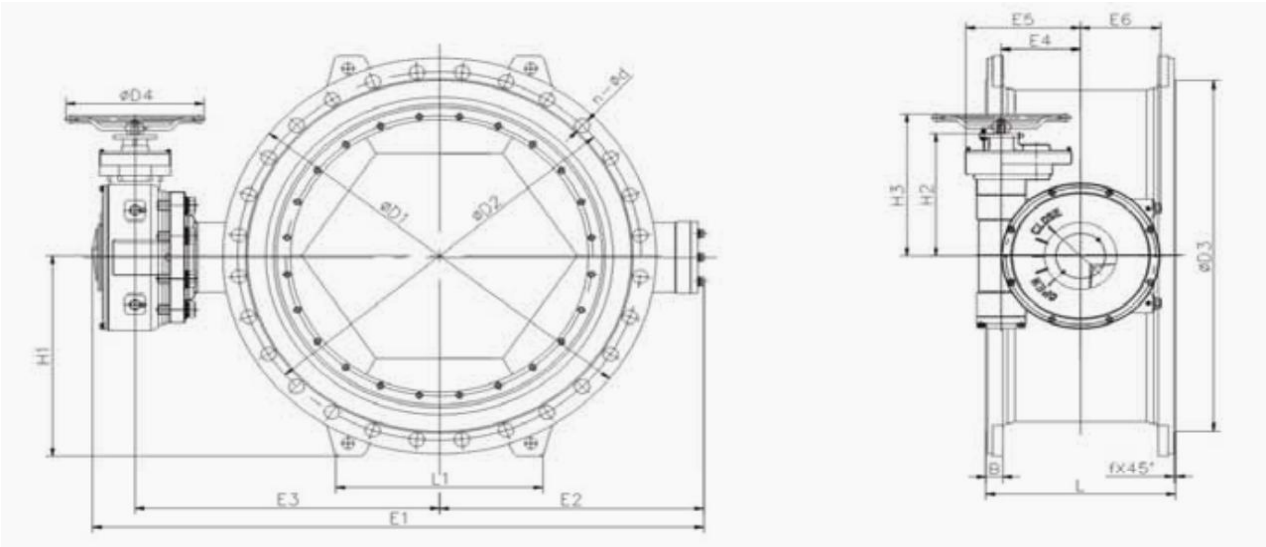
Component List			
NAME	MATERIAL*	SPECIFICATION	REMARKS
Upper Shaft	Stainless Steel	1.4021(SS420)	
	Duplex Stainless Steel	1.4462(S31803)	for rubber lined butterfly
Key	Unless Steel	1.4021 (SS420)	
	Duplex Stainless	1.4462(S31803)	for rubber lined butterfly
Packing Gland	Ductile Iron	GJS500-7(GGG50) GJS400-15(GGG40)	
	Carbon Steel	1.0619(WCB)	
Shaft Bearing	Bronze	QA19-2.CC331G	
O ring	Rubber	EPDM.NBR	
Pin	Stainless Steel	1.4021(SS420)	
	Duplex Stainless	1.4462(S31803)	for rubber lined butterfly
Body	Ductile Iron	GJS500-7(GGG50), GJS400-15(GGG40)	
Disc	Ductile Iron	GJS500-7(GGG50), GJS400-15(GGG40)	
Lining	Rubber	Nature Rubber	To rubber lined butterfly
Retainer Ring	Carbon Steel	1.0038(S235JR)	
	Stainless Steel	1.4301(SS304)	
	Duplex Stainless	1.4462(S31803)	for rubber lined butterfly
Disc Seal Ring	Rubber	EPDM. NBR	
Lower Shaft	Stainless Steel	1.4021(SS420)	
	Duplex Stainless	1.4462(S31803)	for rubber lined butterfly
End Cover	Ductile Iron	GJS500-7(GGG50), GJS400-15(GGG40)	
Body Seal Ring	Stainless Steel	1.4301(SS304)	
Bolt	Stainless Steel	A2-70	
		A4-70	for rubber lined butterfly

As request, the rubber lining could be made of Chemo-nit 181 rubber sheet made by Germany Tiptop Company •Other materials are available on request

Size: DN100-DN4200
Pressure: PN6-PN40
Coating: fusion bonded epoxy coating min. thickness ≥25Omicron
Suitable medium: water and low-corrosive liquid etc.
Suitable temperature: -10-80 ,C

DOUBLE ECCENTRIC DOUBLE FLANGE BUTTERFIY VALVE

Double fanged type
Face to face length acc. to EN558-1 series 14/13 (ISO 5752 series 14/13, DIN 3202 F4/F16)
Flange dimensions and drilling acc. to EN1092-2 (ISO 7005-2)



Dimensions/PN10																	Unit:mm		
DN	D1	D2	D3	B	f	L		n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4
						Series 14	Series 13												
200	ø 340	ø 295	ø 266	20	3	230	152	8-ø 23	175	137	193	526	198	272	64	99	86	196	240
250	ø 395	ø 350	ø 319	22	3	250	165	12-ø 23	202.5	137	193	568	219	293	64	99	86	240	240
300	ø 445	ø 400	ø 370	24.5	4	270	178	12-ø 23	227.5	178	233	670	254	351	93.4	135	115	260	320
350	ø 505	ø 460	ø 429	24.5	4	290	190	16-ø 23	257.5	178	233	720	279	376	93.4	135	115	260	320
400	ø 565	ø 515	ø 480	24.5	4	310	216	16-ø 28	287.5	192	283	834	320	432	120	169	138	310	400
450	ø 615	ø 565	ø 530	25.5	4	330	222	20-ø 28	312.5	192	283	903	359	462	120	169	138	340	400
500	ø 670	ø 620	ø 582	26.5	4	350	229	20-ø 28	340	317	378	988	393	513	120	186	138	370	400
600	ø 780	ø 725	ø 682	30	5	390	267	20-ø 31	395	315	376	1119	450	580	148	214	166	430	400
700	ø 895	ø 840	ø 794	32.5	5	430	292	24-ø 31	452.5	315	376	1217	530	598	148	214	166	480	400
800	ø 1015	ø 950	ø 901	35	5	470	318	24-ø 34	512.5	346	407	1410	614	691	185	265	196	560	400
900	ø 1115	ø 1050	ø 1001	37.5	5	510	330	28-ø 34	562.5	346	407	1530	675	750	185	265	196	615	400
1000	ø 1230	ø 1160	ø 1112	40	5	550	410	28-ø 37	620	390	451	1712	748	839	230	333	232	670	400
1200	ø 1455	ø 1380	ø 1328	45	5	630	470	32-ø 41	732.5	451	512	1971	865	981	230	368	232	800	400
1400	ø 1675	ø 1590	ø 1530	46	5	710	530	36-ø 44	842.5	507	568	2313	1011	1138	315	453	327	920	400
1500	ø 1785	ø 1700	ø 1640	48	5	750	565	36-ø 44	897.5	507	568	2489	1112	1213	315	453	327	980	400
1600	ø 1915	ø 1820	ø 1750	49	5	790	600	40-ø 50	962.5	507	568	2588	1161	1263	315	453	327	1050	400
1800	ø 2115	ø 2020	ø 1950	52	5	870	670	44-ø 50	1063	599	660	3038	1324	1501	412	613	408	1162	400
2000	ø 2325	ø 2230	ø 2150	55	5	950	760	48-ø 50	1168	599	660	3255	1436	1606	412	613	408	1270	400
If there is any request for larger sizes, please contact us in detail																			

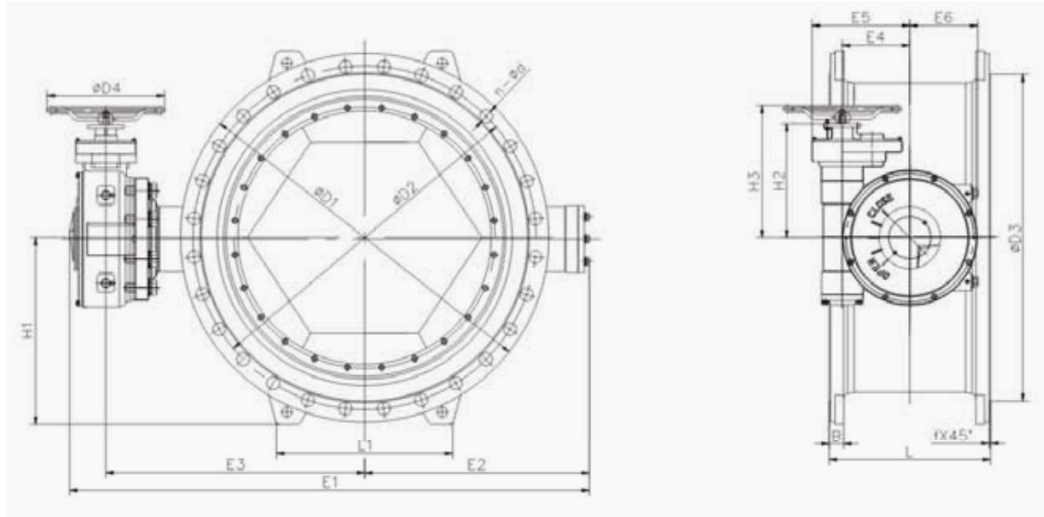
If there is any request for larger sizes, please contact us in detail

DOUBLE ECCENTRIC DOUBLE FLANGE BUTTERFLY VALVE

Double fanged type

Face to face length acc. to EN558-1 series 14/13 (ISO 5752 series 14/13, DIN 3202 F4/F16)

Flange dimensions and drilling acc. to EN1092-2 (ISO 7005-2)



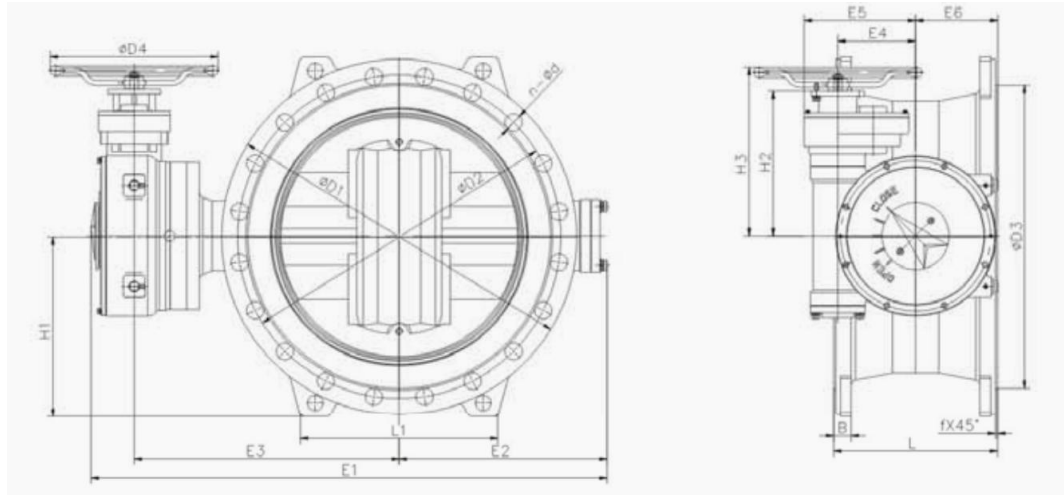
Dimensions/PN16																	Unit:mm		
DN	D1	D2	D3	B	f	L		n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4
						Series 14	Series 13												
200	ø 340	ø 295	ø 266	20	3	230	152	12-ø 23	175	137	193	526	198	272	64	99	86	196	240
250	ø 405	ø 355	ø 319	22	3	250	165	12-ø 28	207.5	178	233	623	230	328	93.4	135	115	240	320
300	ø 460	ø 410	ø 370	24.5	4	270	178	12-ø 28	235	178	233	670	254	351	93.4	135	115	275	320
350	ø 520	ø 470	ø 429	26.5	4	290	190	16-ø 28	265	192	283	784	295	407	120	169	138	290	400
400	ø 580	ø 525	ø 480	28	4	310	216	16-ø 31	295	192	283	853	334	437	120	169	138	320	400
450	ø 640	ø 585	ø 548	30	4	330	222	20-ø 31	325	317	378	938	368	488	120	186	138	360	400
500	ø 715	ø 650	ø 609	31.5	4	350	229	20-ø 34	362.5	315	376	1019	400	530	148	214	166	395	400
600	ø 840	ø 770	ø 720	36	5	390	267	20-ø 37	425	315	376	1117	480	548	148	214	166	470	400
700	ø 910	ø 840	ø 794	39.5	5	430	292	24-ø 37	460	346	407	1308	563	640	185	265	196	480	400
800	ø 1025	ø 950	ø 901	43	5	470	318	24-ø 41	517.5	346	407	1426	623	698	185	265	196	560	400
900	ø 1125	ø 1050	ø 1001	46.5	5	510	330	28-ø 41	567.5	390	451	1612	698	789	230	333	232	618	400
1000	ø 1255	ø 1170	ø 1112	50	5	550	410	28-ø 44	635.5	451	512	1773	766	882	230	368	232	600	400
1200	ø 1485	ø 1390	ø 1328	57	5	630	470	32-ø 50	747.5	507	568	2112	910.5	1038	315	453	327	800	400
1400	ø 1685	ø 1590	ø 1530	60	5	710	530	36-ø 50	847.5	599	660	2529	1063	1253	412	613	408	920	400
1500	ø 1820	ø 1710	ø 1640	62.5	5	750	565	36-ø 57	915	599	660	2633	1120	1300	412	613	408	1000	400
1600	ø 1930	ø 1820	ø 1750	65	5	790	600	36-ø 57/4-M52	970	599	660	2754	1172	1369	412	613	408	1060	400
1800	ø 2130	ø 2020	ø 1950	70	5	870	670	36-ø 57/8-M52	1070	777	838	3257	1416	1602	495	725	485	1170	600
2000	ø 2345	ø 2230	ø 2150	75	5	950	760	48-ø 62	1178	777	838	3523	1583	1701	495	725	485	1290	600
If there is any request for larger sizes, please contact us in detail																			

DOUBLE ECCENTRIC DOUBLE FLANGE BUTTERFLY VALVE

Double fanged type

Face to face length acc. to EN558-1 series 14 (ISO 5752 series 14, DIN 3202 F4)

Flange dimensions and drilling acc. to EN1092-2 (ISO 7005-2)



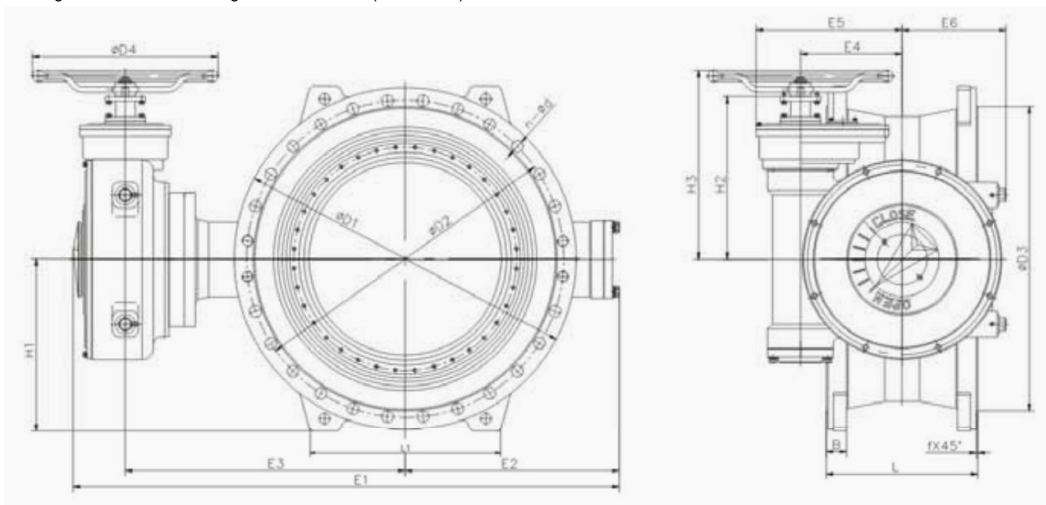
Dimensions/PN25																Unit:mm		
DN	D1	D2	D3	B	f	L	n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4
						Series 14												
200	ø 360	ø 310	ø 274	22	3	230	12-ø 28	190	178	233	586	221	300	93.4	135	115	220	320
250	ø 425	ø 370	ø 330	25	3	250	12-ø 31	220	178	233	656	254	337	93.4	135	115	260	320
300	ø 485	ø 430	ø 389	28	4	270	16-ø 31	250	192	283	757	298	377	120	169	138	300	400
350	ø 555	ø 490	ø 448	30	4	290	16-ø 34	285	317	378	830	318	430	120	186	138	320	400
400	ø 620	ø 550	ø 503	32	4	310	16-ø 37	315	315	376	945	370	486	148	214	166	350	400
450	ø 670	ø 600	ø 548	34.5	4	330	20-ø 37	340	315	376	991	406	496	148	214	166	370	400
500	ø 730	ø 660	ø 609	37	4	350	20-ø 37	370	346	407	1112	453	554	185	265	196	410	400
600	ø 845	ø 770	ø 720	42	5	390	20-ø 41	427.5	346	407	1235	495	631	185	265	196	470	400
700	ø 960	ø 875	ø 820	46.5	5	430	24-ø 44	485	390	451	1398	569	704	230	333	232	530	400
800	ø 1085	ø 990	ø 928	51	5	470	24-ø 50	547.5	390	451	1571	646	800	230	333	232	600	400
900	ø 1185	ø 1090	ø 1028	55.5	5	510	28-ø 50	597.5	451	512	1669	695	849	230	368	232	655	400
1000	ø 1320	ø 1210	ø 1140	60	5	550	24-ø 57/4-M52	665	507	568	1923	779	980	315	453	327	730	400
1200	ø 1530	ø 1420	ø 1350	69	5	630	32-ø 57	770	599	660	2252	903	1136	412	613	408	840	400
1400	ø 1755	ø 1640	ø 1560	74	5	710	36-ø 62	882.5	599	660	2516	1041	1262	412	613	408	970	400
1500	ø 1865	ø 1750	ø 1678	77.5	5	750	36-ø 62	937.5	599	660	2651	1130	1308	412	613	408	1030	400
1600	ø 1975	ø 1860	ø 1780	81	5	790	36-ø 62/4-M56	992.5	777	838	2852	1208	1405	495	725	485	1080	600
If there is any request for larger sizes, please contact us in detail																		

DOUBLE ECCENTRIC DOUBLE FLANGE BUTTERFLY VALVE

Double fanged type

Face to face length acc. to EN558-1 series 14 (ISO 5752 series 14, DIN 3202 F4)

Flange dimensions and drilling acc. to EN1092-2 (ISO 7005-2)



Dimensions/PN40																Unit:mm			
DN	D1	D2	D3	B	f	L	n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4	
						Series 14													
200	375	320	284	30	3	230	12-∅ 31	192.5	178	233	603	229	309	93.4	135	115	180	320	
250	450	385	345	35	3	250	8-∅ 34/4-M30	230	192	283	712	261	369	93.4	169	138	200	400	
300	515	450	409	40	4	270	12-∅ 34/4-M30	262.5	317	378	795	305	408	120	186	138	240	400	
350	580	510	465	44	4	290	12-∅ 37/4-M33	295	315	376	904	360	455	120	214	166	320	400	
400	660	585	535	48	4	310	12-∅ 41/4-M36	335	315	376	1001	407	505	148	214	166	320	400	
450	685	610	560	49	4	330	16-∅ 41/4-M36	347.5	346	407	1067	429	533	148	265	196	360	400	
500	755	670	615	52	4	350	16-∅ 44/4-M39	382.5	346	407	1180	477	598	185	265	196	450	400	
600	890	795	735	58	5	390	16-∅ 50/4-M45	450	390	451	1363	555	683	185	333	232	500	400	
700	995	900	840	64	5	430	20-∅ 48/4-M45	505	507	568	1625	666	795	230	453	327	560	400	
800	1140	1030	960	72	5	470	20-∅ 56/4-M52	575	507	568	1696	664	868	230	453	327	630	400	
900	1250	1140	1070	76	5	510	24-∅ 56/4-M52	635	507	568	1904	785	955	230	453	327	690	400	
1000	1360	1250	1180	80	5	550	24-∅ 56/4-M52	690	599	660	2039	837	989	315	613	408	740	400	
1100	1460	13550	1280	85	5	590	24-∅ 56/8-M52	735	599	660	2384	997	1174		613	408	800	400	
1200	1575	1460	1380	88	5	630	24-∅ 62/8-M56	792.5	777	838	2595	1077	1279	412	725	485	860	400	
1400	1795	1680	1600	98	5	710	28-∅ 62/8-M56	902.5	777	838	2839	1200	1400	412	725	485	1000	600	
1500	1925	1800	1715	105	5	750	28-∅ 70/8-M64	967.5	777	838	3041	1305	1497	412	725	485	1060	600	
1600	2025	1900	1815	108	5	790	32-∅ 70/8-M64	1018	958		3252	1410	1520	495	820	566	1110	600	
If there is any request for larger sizes, please contact us in detail																			