

DOUBLE ECCENTRIC BUTTERFLY VALVE

Series 14

Double eccentric butterfly valves with tilted disc are designed for easy operation and long service life. The disc seal is made of drinking water approved EPDM rubber featuring an excellent compression set and ability to regain the original shape. The high quality epoxy coating and fully encapsulated shaft/disc connection ensure optimal corrosion protection and durability.

VALVE TYPE	Double Eccentric Butterfly Valve
DESIGN	EN 593
FACE-TO-FACE	EN 558-2 Series 14
FLANGE DRILLING	EN 1092, PN10 ~ PN40
TESTING	EN 12266-1
SIZE	DN100 ~ DN2000
MATERIAL	Ductile Iron EN-GJS-400/500 (GGG40/50)
OPERATED	Gearbox, MOV, POV



EPDM approved for drinking water according to WRAS Certificate No. 260155013

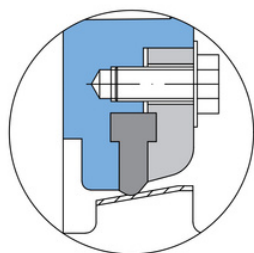
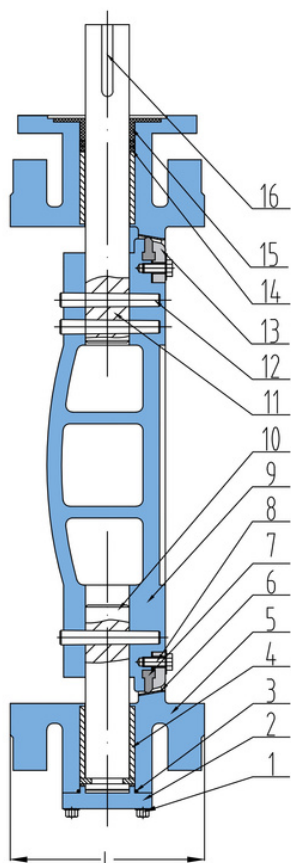
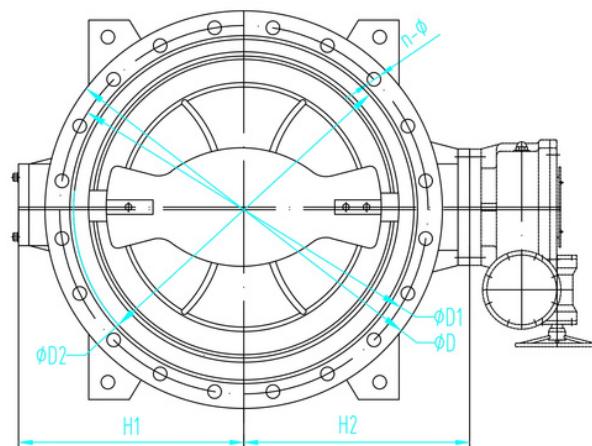
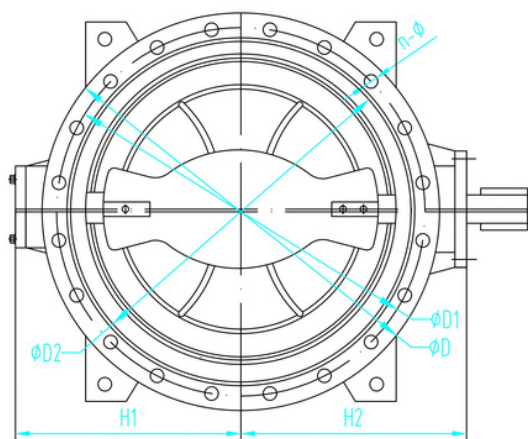
Coated with FBE approved for drinking water according to WRAS Certificate No. 2202530

Features:

- Double eccentric design releases seal compression after only few degrees of opening resulting in low operating torque.
- Disc seal profile and rubber quality ensure low closing torque.
- EN-GJS-500-7/EN-GJS-400-15 ductile iron valve body and disc, with high strength and impact resistance.
- Disc firmly fixed to the shaft to prevent fluttering and a slight tilt allows for precise adjustment of the closed position.
- Sealing ring replacement: just undo the retaining bolts – no valve removal or additional tools required.
- All drinking-water-contact rubber components and the FBE coating are WRAS certified.
- Easy maintenance – Replaceable seat ring and shaft seals; end covers or security plates simplify servicing.
- 100% of the valves are subjected to Hydrostatic tests according to EN 12266-1. Pressure for seat: PN x 1.1 , for shell: PN x 1.5.



MATERIAL LIST



NO.	Part	Material
1	Bolt	A2-70
2	Cover	Ductile Iron EN-GJS-400/500 (GGG40/50)
3	O Ring	EPDM / NBR
4	Bushing	Steel / Bronze
5	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
6	Body Seat	Welding SS304 / SS316
7	Disc Seat	EPDM / NBR / VITON
8	Bolt	A2-70
9	Disc	Ductile Iron EN-GJS-400/500 (GGG40/50)
10	Lower Shaft	SS420 / SS304 / SS316 / SS431 / 17-4PH
11	Upper Shaft	SS420 / SS304 / SS316 / SS431 / 17-4PH
12	Taper Pins	SS420 / SS304 / SS316
13	Stamping Ring	Q235 / SS304 / SS316
14	O Ring	EPDM / NBR
15	Cover	Ductile Iron EN-GJS-400/500 (GGG40/50)
16	Bolt	A2-70

DIMENSIONS PN10

DN mm	Flange drilling	L mm	H1 mm	H2 mm	D mm	D1 mm	D2 mm	n-Ø	ISO5211
100	PN10	190	123	178	220	180	158	8-19	F07
150	PN10	210	162	217	285	240	212	8-23	F10
200	PN10	230	175	250	340	295	268	8-23	F10
250	PN10	250	206	281	395	350	320	12-23	F10
300	PN10	270	246	306	460	400	370	12-23	F14
350	PN10	290	284	334	520	460	429	16-23	F14
400	PN10	310	308	375	565	515	480	16-28	F14
450	PN10	330	345	388	615	565	530	20-28	F14
500	PN10	350	375	433	670	620	582	20-28	F16
600	PN10	390	435	495	780	725	682	20-31	F16
700	PN10	430	491	556	895	840	794	24-31	F25
800	PN10	470	567	613	1015	950	901	24-34	F25
900	PN10	510	603	694	1115	1050	1001	28-34	F25
1000	PN10	550	714	755	1230	1160	1112	28-37	F25/F30
1100	PN10	590	750	796	1340	1270	1218	32-37	F30
1200	PN10	630	798	845	1455	1380	1328	32-41	F30
1400	PN10	710	973	1028	1675	1590	1530	36-44	F35
1600	PN10	790	1112	1172	1915	1820	1750	40-50	F40
1800	PN10	870	1270	1350	2115	2020	1950	44-50	F40
2000	PN10	950	1360	1450	2325	2230	2150	48-50	F48

DIMENSIONS PN16

DN mm	Flange drilling	L mm	H1 mm	H2 mm	D mm	D1 mm	D2 mm	n-Ø	ISO5211
100	PN16	190	123	178	220	180	158	8-19	F07
150	PN16	210	162	217	285	240	212	8-23	F10
200	PN16	230	175	250	340	295	268	12-23	F10
250	PN16	250	206	281	405	355	320	12-28	F10
300	PN16	270	246	306	460	410	370	12-28	F14
350	PN16	290	284	334	520	470	429	16-28	F14
400	PN16	310	308	375	580	525	480	16-31	F14
450	PN16	330	345	388	640	585	530	20-31	F14
500	PN16	350	375	433	715	650	582	20-34	F16
600	PN16	390	435	495	840	770	682	20-37	F16
700	PN16	430	491	556	910	840	794	24-37	F25
800	PN16	470	567	613	1025	950	901	24-41	F25
900	PN16	510	603	694	1125	1050	1001	28-41	F25
1000	PN16	550	714	755	1255	1170	1112	28-44	F25/F30
1100	PN16	590	750	796	1355	1270	1218	32-44	F30
1200	PN16	630	798	845	1485	1390	1328	32-50	F30
1400	PN16	710	973	1028	1685	1590	1530	36-50	F35
1600	PN16	790	1112	1172	1930	1820	1750	40-57	F40
1800	PN16	870	1270	1350	2130	2020	1950	44-57	F40
2000	PN16	950	1360	1450	2345	2230	2150	48-62	F48