

DOUBLE ECCENTRIC BUTTERFLY VALVE, PN 10/16

Integral seat, WRAS appr. sealing, IP68 gearbox, DN 700-1200

Double eccentric butterfly valves are designed with tilted and fixated disc for extended service life and easy operation. The disc seal is made of drinking water approved EPDM rubber featuring an excellent compression set and thus ability to regain its original shape. The DVGW/WRAS approved epoxy coating and fully encapsulated shaft/disc connection ensure high durability. The valves are suitable for bi-directional application.

Product Description:

Double eccentric butterfly valve to EN 593 for drinking water and neutral liquids to max. 70° C

Standards:

- Designed according to EN 593
- Face to face according to EN 558 Table 2 Basic Series 14
- Standard flange drilling to EN1092 (ISO 7005-2), PN 10/16

Test/Approvals:

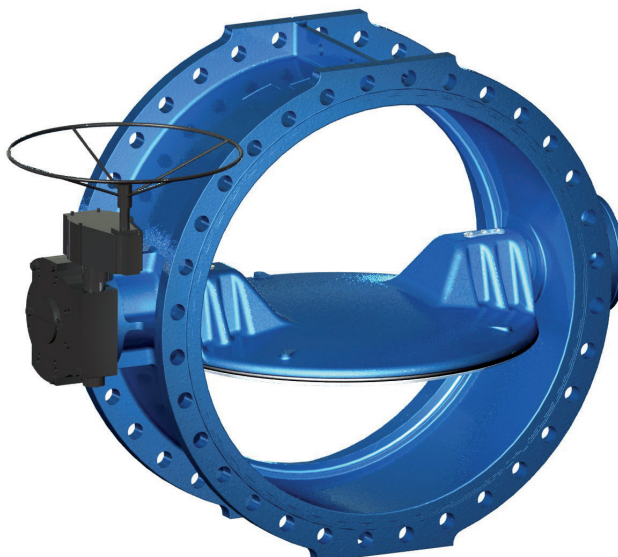
- Hydraulic test according to EN 1074-1 and 2 / EN 12266.
- Approved according to WRAS Certificate No. 1111078

Features:

- The tilted disc releases the compression of the disc sealing after a few degrees of opening, which extends the durability and gives low operating torques
- The disc is fixated to prevent wear and fluttering
- The disc seal profile and rubber quality ensure low closing torques
- Seal retainer ring of stainless steel
- The threaded bolt holes in the disc are corrosion protected with O-rings
- Machined and epoxy coated ductile iron seat integrated in the body
- Shaft of stainless steel with self-lubricating bearings
- The shaft ends are fully encapsulated in the disc and are fixed with dowels corrosion protected with O-rings and a stainless steel security plate. Key and keyway as backup.
- Replaceable shaft sealing with two EPDM O-rings on each side of a bronze bushing, and a flat NBR gasket
- Optional locking device
- Body and disc of ductile iron with fusion bonded epoxy to DIN 30677-2, GSK approved, RAL 5017, according to WRAS-DVGW/W270/UBA

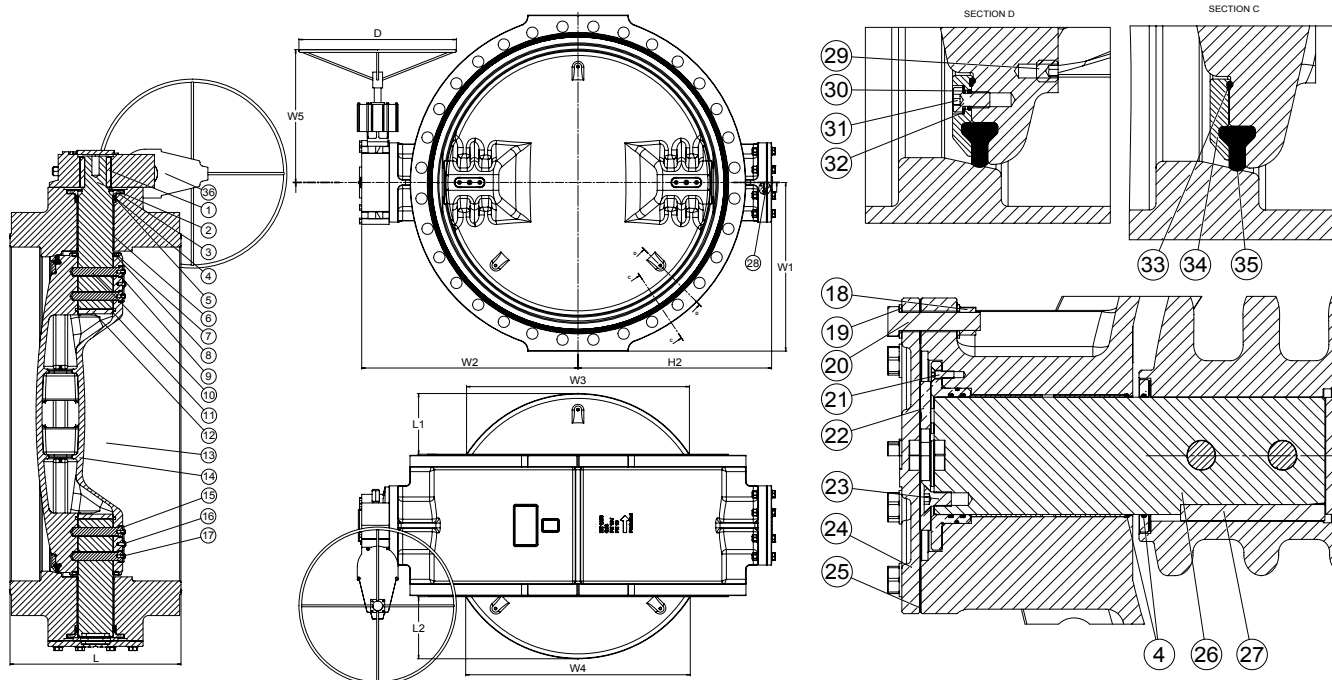
Accessories:

Locking device, extension spindle, street cover, dismantling joint and flange adaptor



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Component List:

1. Key	Stainless steel A2	2. Valve shaft	Stainless steel AISI 431
3. Seal housing	Bronze	4. O-ring	EPDM rubber
5. O-ring	EPDM rubber	6. Self-lubricating bearing	Lead free PTFE sliding face
7. Disc cover	Stainless steel	8. Disc cover gasket	EPDM rubber
9. O-ring	EPDM rubber	10. Dowel	Stainless steel A2
11. O-ring	EPDM rubber	12. Plug	Steel
13. Body	Ductile iron, EN-GJS-500-7 (GGG-50)	14. Disc	Ductile iron, EN-GJS-500-7 (GGG-50)
15. Security plate	Stainless steel	16. Screw	Stainless steel A2
17. Screw	Stainless steel A2	18. Nut	Stainless steel A2
19. Washer	Stainless steel A2	20. Screw	Stainless steel A2
21. Screw	Stainless steel A2	22. Axial bearing	Bronze
23. Screw	Stainless steel A2	24. End plate	Ductile iron, EN-GJS-500-7 (GGG-50)
25. Gasket	EPDM rubber	26. Stub shaft	Stainless steel AISI 431
27. Safety key	Stainless steel A2	28. Screw	Stainless steel A2
29. Screw	Stainless steel A2	30. O-ring	EPDM rubber
31. Bolt	Stainless steel A2	32. Washer	Stainless steel A2
33. O-ring	EPDM rubber	34. Seal retainer ring	Stainless steel
35. Disc seal	EPDM rubber	36. Gearbox	Cast iron

Dimensions:

DN	Flange drilling	D	L	L1	L2	H2	W1	W2	W3	W4	W5	Theoretical weight kg
700	PN10	600	430	127	133	550	448	641	533	543	396	444
700	PN16	700	475	127	133	550	455	641	533	543	449	523
800	PN10	600	470	156	162	620	508	711	627	636	396	592
800	PN16	700	470	156	162	620	513	711	627	636	449	669
900	PN10	700	510	186	192	690	558	791	722	730	449	751
900	PN16	700	510	186	192	690	563	791	722	730	499	881
1000	PN10	700	550	216	222	770	615	871	816	824	499	995
1000	PN16	600	550	216	222	770	628	871	816	824	499	1120