Double eccentric butterfly valve PN10/16

756/218
004

Double eccentric butterfly valve, designed according to EN 593
Face toface according to EN 558 table 2 basic series 13
Flanges and drilling to EN1092-2 (ISO 7005-2)

Use:
For water to max. 70°C

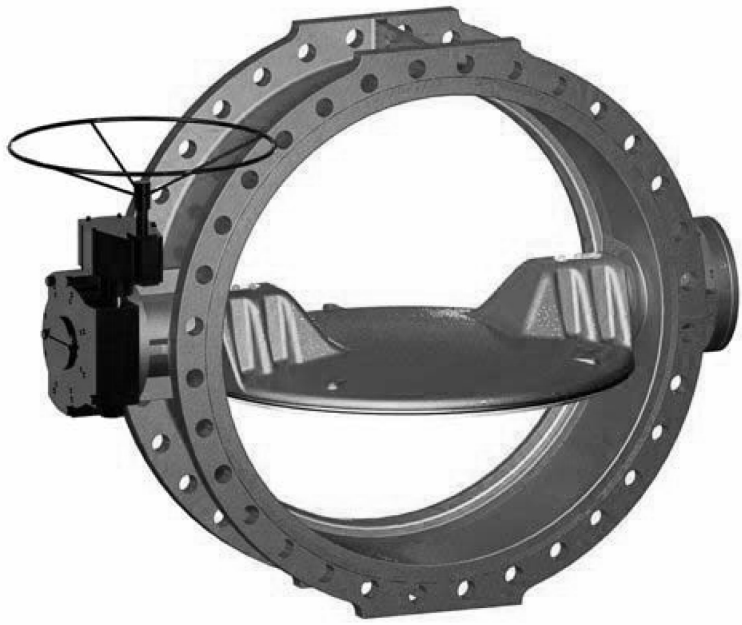
Tests:
Hydraulic test according to EN1074-1 and 2/EN12266
Seat: 1.1 x PN
Body: 1.5 x PN
Operating torque test

Marking:
DN, PN, casting no. and body material.

Materials

Body	Ductile iron
Disc	Ductile iron
Shaft	Stainless Steel AISI 420
Bush	Bronze
Lining	EPDM
External coating	Epoxy coating RAL7011

Accessories:
Self-locking device AVK series 756, extension spindle AVK series 756, street covers AVK series 04 and 80, handwheel AVK series 756, stem cap for rod #25 mm AVK series 756, adaptor gear side AVK series 756, post indicator AVK series 34, dismantling joint AVK series 265, flange adaptors AVK series 260, different types of gearboxes and electric actuators.



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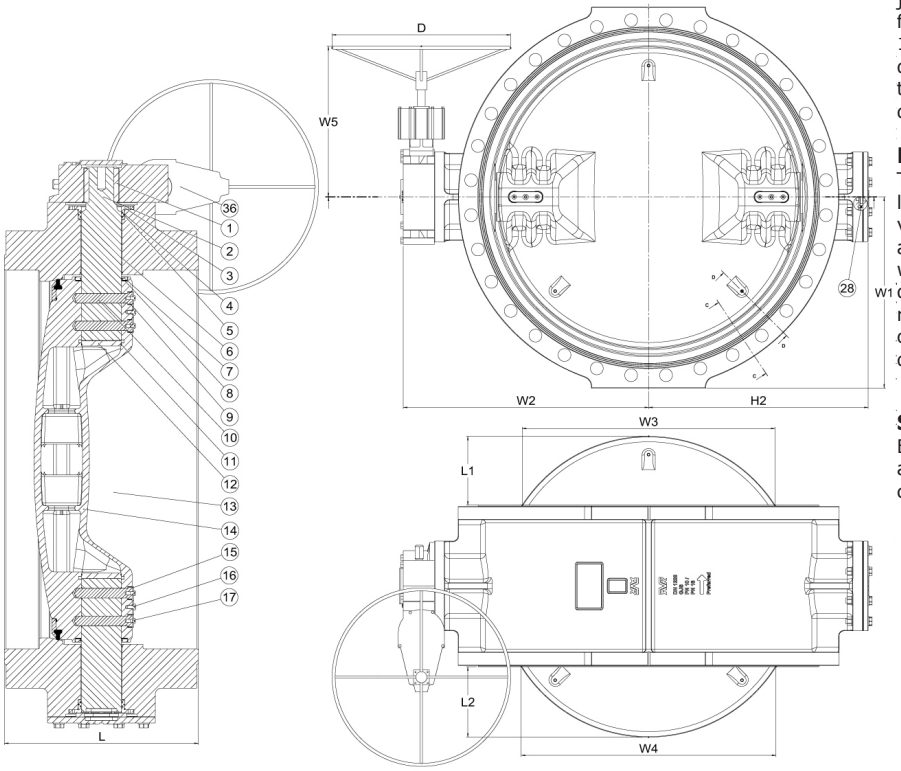
Component list

1. Key	6. Self-lubricating bearing	11. O-ring	16. Screw	21. Screw	26. Stub shaft	31. Bolt	36. Gearbox with handwheel
2. Valve shaft	7. Disc cover	12. Plug	17. Screw	22. Axial bearing	27. Safety key	32. Washer	
3. Seal housing	8. Disc cover gasket	13. Body	18. Nut	23. Screw	28. Screw	33. O-ring	
4. O-ring	9. O-ring	14. Disc	19. Washer	24. End plate	29. Screw	34. Seal retaining ring	
5. O-ring	10. Drive pin	15. Security plate	20. Screw	25. Gasket	30. O-ring	35. Disc seal	



Double eccentric design

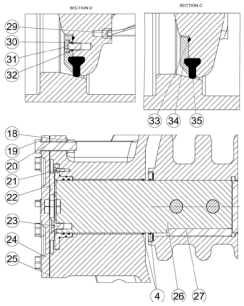
The double eccentric design gives minimal wear of the disc seal, as the disc swings open/close like a door relieving the stress on the seal just after a few degrees of opening. The seal is fully compressed in closed position which gives 100% drip-tight closure. The disc and seat are designed to give the lowest possible operating torque in opening and closing direction at full differential pressure.

Disc and seat design

The slim and streamlined disc design ensures low pressure loss across the valve, and the valves are suitable for bi-directional application as standard. The seat is cast in the valve body, which is epoxy coated to avoid corrosion. The disc seals are mounted in an epoxy coated steel retainer ring, and are replaceable independent of flow direction. The disc is fixed by means of dowels with key and keyway as backup.

Shaft sealing

Encapsulated O-rings, self-lubricating bearings and bronze bushings protect against galvanic corrosion.



Ref.no.	DN	D mm		L mm	L1 mm	L2 mm	H2 mm	W1 mm		W2 mm	W3 mm	W4 mm	W5 mm		Weight KG	
		PN10	PN16					PN10	PN16				PN10	PN16	PN10	PN16
756-0700-2-X4018014	700	600	700	292	196	202	550	448	455	641	622	627	457	449	410	483
756-0800-2-X4018014	800	600	700	318	232	238	620	508	513	711	718	724	457	449	545	665
756-0900-2-X4018014	900	700		330	276	282	690	558	563	791	822	827	499		685	804
756-1000-2-X4018014	1000	700	600	410	286	292	770	615	628	871	896	902	499		932	1102
756-1200-2-X4018014	1200	600	700	470	349	355	855	728	743	9563	1073	1078	499	571	1352	1647

X=0, PN10
X=1, PN16