Double eccentric butterfly valve PN10/16

756/218
003

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:
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 gearside AVK series 756, post indicator AVK series 34, dismantling joint AVK series 265, combi-flange AVK series 05, flange adaptors AVK series 603, 623 and 260, different types of gearboxes and electric actuators.

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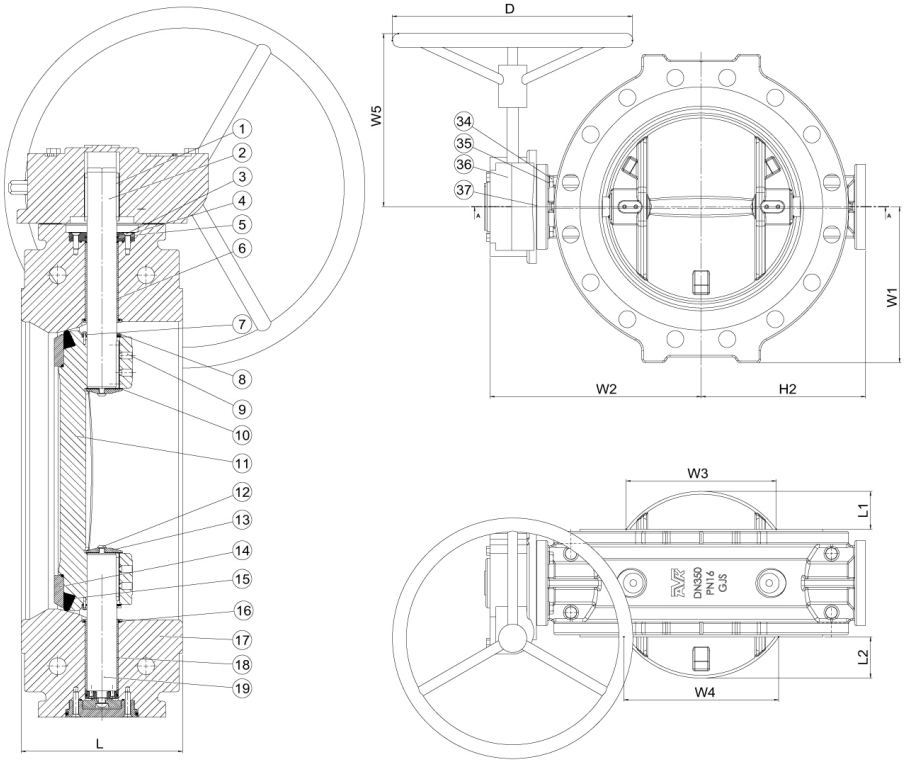
Component list

1. Key	6. Headed Bush	11. Disc	16. O-Ring	21. Gasket	26. End Cover	31. Ring	36. Gearbox
2. Drive Shaft	7. Socket Screw	12. Screw	17. Body	22. Gasket	27. Thrust Plate	32. O-Ring	37. Gasket
3. Screw	8. Cover	13. Endcover	18. Headed Bush	23. O-Ring	28. Screw	33. Screw	
4. Spacer	9. Set Screw	14. Seat RTG.Ring	19. Non-drive Shaft	24. O-Ring	29. Screw	34. Hex Bolt	
5. O-Ring	10. Gasket	15. Seal Ring	20. O-Ring	25. Screw	30. Screw	35. Washer	



Double eccentric design

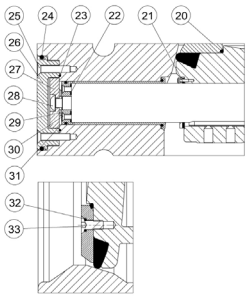
The double eccentric design gives minimal wear of the disc seal, as the disc swings open/close like a door relieving the stress on the seal just after a few degrees of opening. The seal is fully compressed in closed position which gives 100% drip-tight closure. The disc and seat are designed to give 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 a epoxy coated retainer ring, and are replaceable independent of flow direction. The disc is fixed by means of a keyway and set screws protecting against flutter between shaft and disc.

Shaft sealing

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



		D		L	L1	L2	H2		W1		W2		W3	W4	W5		Weight	
Ref.no.	DN	mm		mm	mm	mm	mm		mm		mm		mm	mm	mm		KG	
		PN10	PN16				PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16	PN10	PN16
756-0200-2-X4018014	200	250		152	18	28	200		182		279		107	134	276		47	
756-0250-2-X4018014	250	250		165	34	44	234		215		313		164	184	276		64	
756-0300-2-X4018014	300	250	400	178	47	58	264		242		343	346	209	227	276	306	91	94
756-0350-2-X4018014	350	250	400	190	70	76	290		272		369	372	271	279	276	306	115	121
756-0400-2-X4018014	400	400		216	82	89	321		302		403		313	322	306		153	
756-0450-2-X4018014	450	400	500	222	102	109	358		332		440	449	365	374	306	416	193	201
756-0500-2-X4018014	500	400	500	229	124	130	386	395	338	370	468	477	420	427	306	416	200	256
756-0600-2-X4018014	600	500	600	267	155	161	445	467	393	435	536	556	514	521	416	456	262	394

X=0, PN10
X=1, PN16