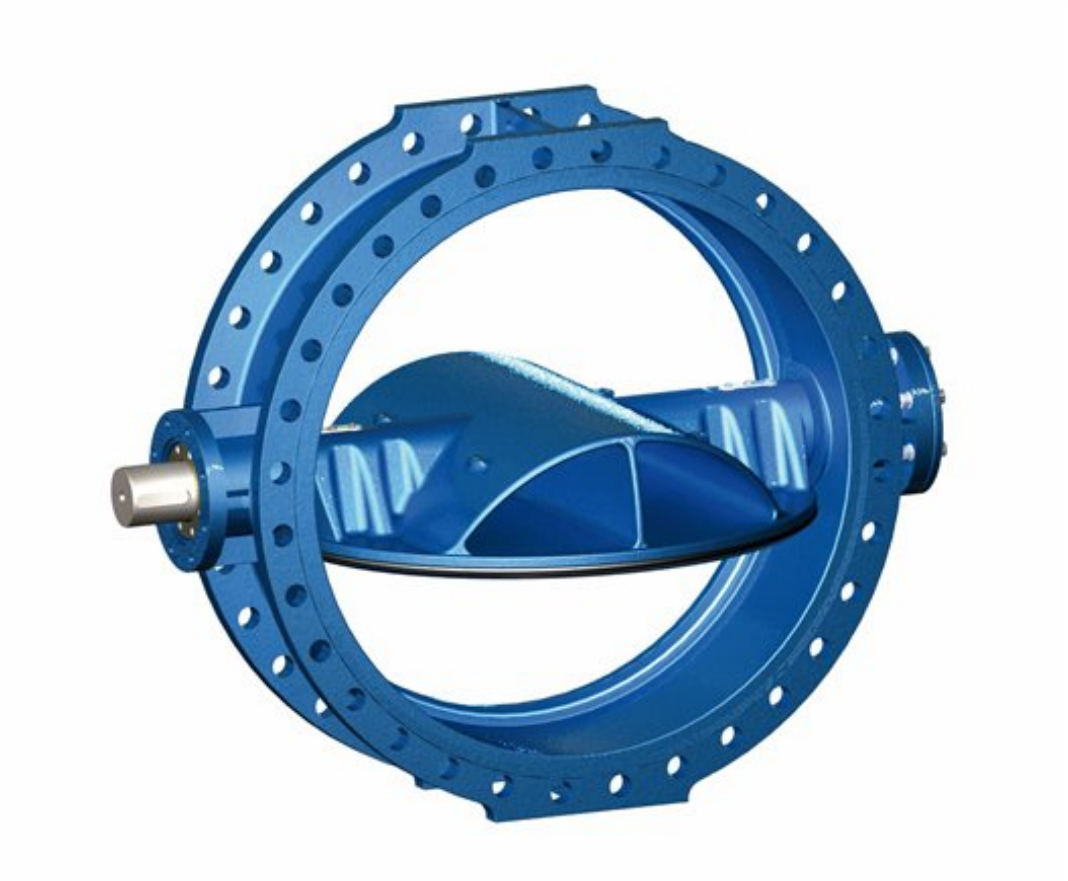
AVK DOUBLE ECCENTRIC BUTTERFLY VALVE, PN 16, INTEGRAL SEAT, BARE SHAFT

756/D4
002

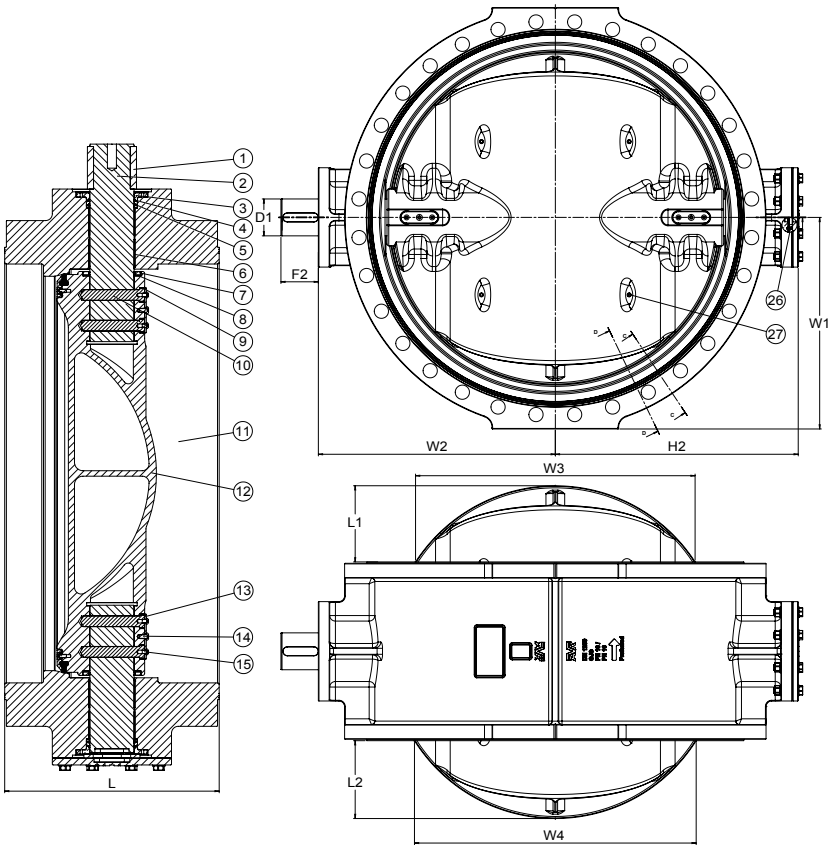
Double eccentric butterfly valve, for water to max. 70° C, designed according to EN 593, Face to Face according to EN 558 table 2 basic series 13.
Standard flange drilling to EN1092-2 (ISO 7005-2)
Hydraulic test according to EN 1074-1 and 2 / EN 12266.
Approved for drinking water.

Designed according to EN 593. Double flanged short type with flow through disc, integrated seat and bare shaft with keyway and ISO flange. Fasteners of Stainless Steel Grade A2.
Soft seated with WRAS approved sealing and seal retaining ring of stainless steel AISI 420/304. Body and disc of ductile iron GJS-500-7, ref EN1563. Shaft of stainless steel AISI 431 with double O-rings, self-lubricating bearings, bronze bushings, and four stainless steel drive dowels connecting the shaft to the disc. Extra key mounted as backup.
Epoxy coating: Fusion bonded epoxy to DIN 30677-2 and GSK guidelines RAL5017, internally and externally, WRAS-DVGW/W270/UBA, 250 microns

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 52/260, different types of gearboxes and electric actuators



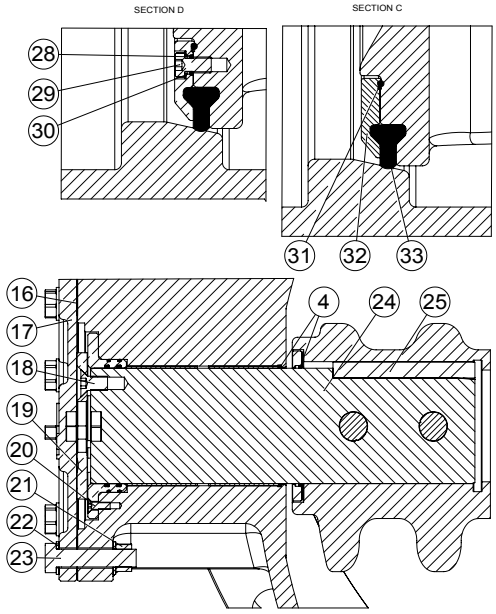
For further details see section "Technical Information".
The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product programme.



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 flow through design brings high performance against cavitation, at semi-open disc positions. Furthermore 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 stainless 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.



Component list

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

Reference nos. and dimensions

AVK ref. nos.	DN mm	L mm	L1 mm	L2 mm	W1 mm	W2 mm	W3 mm	W4 mm	H2 mm	D1 mm	F2 mm	ISO flange	Theoretical weight kg
756-0700-4-140911	700	292	196	202	455	530	622	627	550	65	100	25	425
756-0800-4-140911	800	318	232	238	513	600	718	724	620	80	100	25	614
756-0900-4-140911	900	330	276	282	563	670	822	827	690	80	103	25	725
756-1000-4-140911	1000	410	286	292	628	750	896	902	770	100	115	25	1019
756-1200-4-140911	1200	470	349	355	743	835	1073	1078	855	130	147	30	1495