

# DOUBLE ECCENTRIC BUTTERFLY VALVE, PN10/16

756/100-671

Integral seat, IP67 gearbox, DN700-2400

## Water Supply

AVK double eccentric butterfly valves are designed with tilted disc for easy operation. The disc seal is made of AVK's drinking water approved EPDM rubber featuring an excellent compression set and thus ability to regain its original shape. The high quality GSK/DVGW or 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 with integral seat and IP67 gearbox w/handwheel, for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Series 14 (DN≤2000)/DIN 3202 - F4 (DN>2000)
- Flange drilling to EN1092-2 (DN700-2000) / DIN2501 (DN>2000 PN10 body) / special drilling (DN>2000 PN16 body)

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Approved according to KIWA Certificate K 6320 (DN≤800)
- Approved according to DIN-DVGW Certificate NW-6201BR0451 (DN≤1200)
- Approved for drinking water according to WRAS Certificate No. 2307007 (DN900-1200)

### Features:

- Machined and epoxy coated ductile iron seat integrated in the body
- The double eccentric design combined with a tilted disc allows release of seal compression after only few degrees of opening resulting in low operating torque
- Disc firmly fixed to the shaft to prevent fluttering and a slight tilt allows for precise adjustment of the closed position
- Disc seal profile and rubber quality ensure low closing torque
- All rubber parts are drinking water approved by multiple institutes
- Fasteners in stainless steel A2
- Stainless steel shaft and seal retainer ring
- All threaded connections are sealed with O-rings for protection against medium and environment
- Radial bearings in self-lubricating PTFE/bronze composite
- Shaft ends: DN≤600: Fitted with an end cover that seals the disc interior against corrosion. DN≥700: Fully encapsulated in the disc and fixed with O-ring sealed dowels held in place with a security plate. Key and keyway as backup
- Replaceable shaft seals with two EPDM O-rings and an NBR gasket protecting against contamination from outside
- Bi-directional operation up to DN2400 and uni-directional from DN2600 and above
- Body and disc of ductile iron with fusion bonded epoxy coating 250µm RAL 5017 in compliance with DIN 3476 part 1 and EN 14901, approved by GSK and WRAS-DVGW/W270/UBA  
DN≥1800: Body and disc coated with 2-pack epoxy, blue RAL 5017 externally, ribbon blue or cream white internally, according to WRAS
- IP67 Rotork gear with position indicator, operated by handwheel. Coated black RAL9005, 50-60µm. Input shaft, bolts and nuts in stainless steel AISI 303

### Accessories:

Dismantling joint and flange adaptor



kiwa

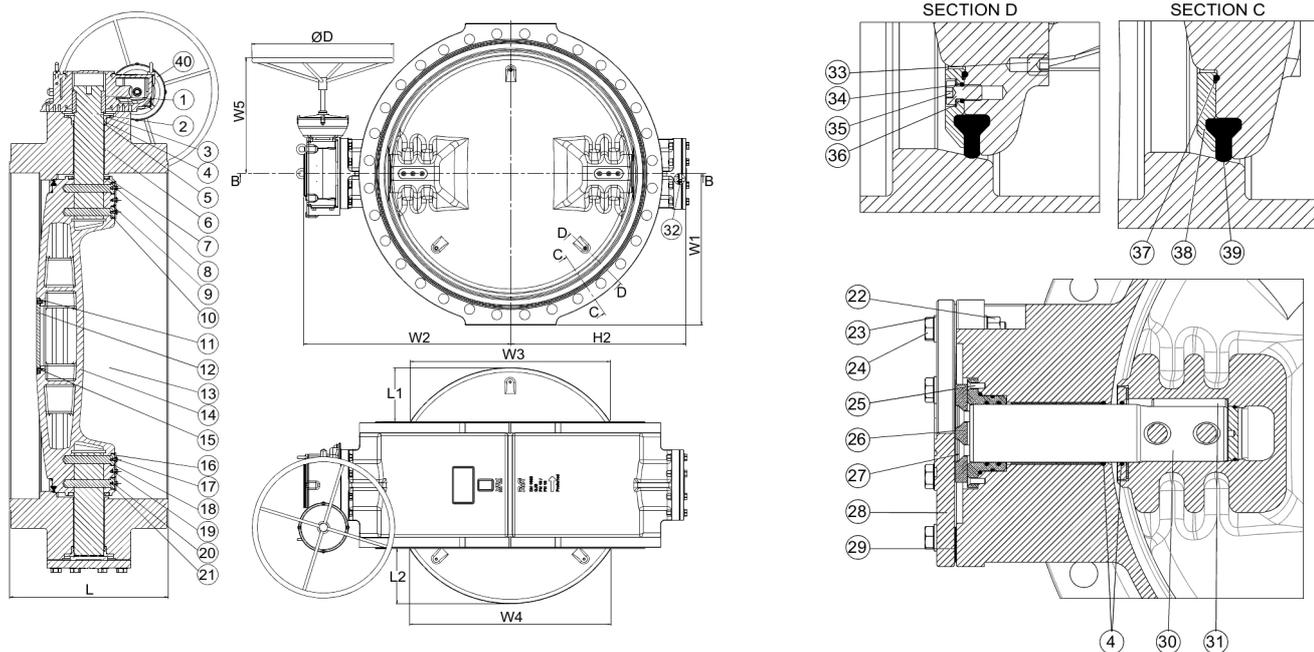
AVK

The designs, materials, dimensions and specifications shown are subject to change without notice due to the continuous development of our product range.

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## Component list:

1. Key	Stainless steel A2	21. Washer	Zinc
2. Valve shaft	Stainless steel 431	22. Nut	Stainless steel A2
3. Seal housing	Bronze	23. Washer	Stainless steel A2
4. O-ring	EPDM rubber	24. Screw	Stainless steel A2
5. O-ring	EPDM rubber	25. Screw	Stainless steel A2
6. Radial bearing	Bronze / PTFE composite	26. Thrust bearing	Bronze
7. Disc cover	Stainless steel	27. Screw	Stainless steel A2
8. Disc cover gasket	EPDM rubber	28. End plate	Ductile iron GJS-500-7
9. O-ring	EPDM rubber	29. Gasket	EPDM rubber
10. Dowel	Stainless steel A2	30. Stub shaft	Stainless steel 431
11. O-ring	EPDM rubber	31. Safety key	Stainless steel A2
12. Blanking flange <sup>(1)</sup>	Ductile iron GJS-500-7	32. Screw	Stainless steel A2
13. Body	Ductile iron GJS-500-7	33. Screw	Stainless steel A2
14. Disc	Ductile iron GJS-500-7	34. O-ring	EPDM rubber
15. Screw	Stainless steel A2	35. Bolt	Stainless steel A2
16. Security plate	Stainless steel	36. Washer	Stainless steel A2
17. Screw	Stainless steel A2	37. O-ring	EPDM rubber
18. O-ring	EPDM rubber	38. Seal retainer ring	Stainless steel
19. Spring washer	Stainless steel A2	39. Disc seal	EPDM rubber
20. O-ring	EPDM rubber	40. Gearbox	Cast iron

Components may be substituted with equivalent or higher class materials without prior notification.

(1) DN ≥1400

**DOUBLE ECCENTRIC BUTTERFLY VALVE, PN10/16****756/100-671****Integral seat, IP67 gearbox, DN700-2400****Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	D mm	L mm	L1 mm	L2 mm	H2 mm	W1 mm	W2 mm	W3 mm	W4 mm	W5 mm	Theoretical weight/kg
756-0700-1-04	700	PN10	600	430	127	133	550	448	641	533	543	457	444
756-0700-1-14	700	PN16	700	430	127	133	550	455	641	533	543	517	517
756-0800-1-04	800	PN10	600	470	156	162	620	508	711	627	636	457	592
756-0800-1-14	800	PN16	700	470	156	162	620	513	711	627	636	517	663
756-0900-1-04	900	PN10	700	510	186	192	690	558	791	722	730	517	745
756-0900-1-14	900	PN16	700	510	186	192	690	563	791	722	730	570	874
756-1000-1-04	1000	PN10	700	550	216	222	770	615	871	816	824	530	974
756-1000-1-14	1000	PN16	600	550	216	222	770	628	871	816	824	570	1113
756-1200-1-04	1200	PN10	600	630	269	275	855	728	956	986	993	570	1442
756-1200-1-14	1200	PN16	700	630	269	275	855	743	956	986	993	591	1678
756-1400-1-04	1400	PN10	700	710	333	339	970	838	1071	1182	1189	570	2150
756-1400-1-14	1400	PN16	700	710	333	339	970	843	1119	1182	1189	591	2472
756-1500-1-04	1500	PN10	700	750	363	369	1070	893	1171	1274	1281	570	2606
756-1500-1-14	1500	PN16	700	750	363	369	1070	913	1219	1274	1281	591	3001
756-1600-1-04	1600	PN10	700	790	390	396	1145	958	1294	1359	1366	591	3187
756-1600-1-14	1600	PN16	700	790	390	396	1145	965	1294	1359	1366	631	3468
756-1800-1-04	1800	PN10	600	870	448	454	1220	1058	1369	1540	1547	734	3794
756-1800-1-14	1800	PN16	600	870	448	454	1220	1065	1398	1540	1547	734	4217
756-2000-1-04	2000	PN10	600	950	521	527	1382	1180	1547	1753	1760	734	5287
756-2000-1-14	2000	PN16	600	950	521	527	1382	1180	1560	1753	1760	734	5755
756-2200-1-04	2200	PN10	500	1030	576	582	1472	1275	1650	1926	1932	784	6534
756-2200-1-14	2200	PN16	600	1030	576	582	1482	1278	1657	1926	1932	810	8361
756-2400-1-04	2400	PN10	600	1110	633	639	1613	1380	1759	2103	2109	810	9370
756-2400-1-14	2400	PN16	600	1110	633	639	1584	1382	1753	2103	2109	810	11520

**Comments:**

Global Warming Potential (GWP) for each valve is calculated as GWP per kilo valve excl. gear multiplied by the theoretical weight of the valve itself, excl. the gear. GWP per kilo valve has been calculated for the phases A1-A3 (cradle to gate) as declared in the Environmental Product Declaration (ref. no. EPD HUB-3563) found under downloads for this valve in our product finder on [www.avkvalves.eu](http://www.avkvalves.eu). The EPD is in accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 and based on EPD Hub Core PCR Version 1.1, 5 Dec 2023 and JRC characterization factors EF 3.1.

**Note:** For comparison of GWP values, please be aware that EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be directly comparable. For further information about comparability, please refer to page two of the EPD.