



## AVK CENTRIC WAFER BUTTERFLY VALVE, PN 10/16

75/10-033

### Fixed NBR liner for gas, stainless steel disc

AVK centric butterfly valves with fixed liner feature an outstanding seating concept. The rubber is injection moulded directly on the valve body forming a permanent bond. Consequently, there is no risk of deformation or dislocation of the liner making the valves suitable under vacuum conditions. The combination of the profiled disc edge and the excellent AVK rubber quality ensures maximum durability of the liner.

#### Product description:

Centric butterfly valve with fixed liner - Wafer - AISI 431 disc for gas to max. 50°C

#### Standards:

- Designed according to EN 593
- Face-to-face dimension according to EN 558 table 5 basic series 20
- Flange drilling to EN1092, PN16

#### Test/Approvals:

- Hydraulic test according to EN 13774 / EN 12266
- Approved according to DIN-DVGW Certificate NG-4313BN0603
- Approved according to SVGW Certificate No. 06-080-5

#### Features:

- Bonded vulcanized liner of NBR approved for gas applications with an excellent compression set and thus ability to regain its original shape
- Streamlined disc with minimum flow resistance
- Profiled disc edge requires minimal deformation of the liner to achieve tight sealing, and results in less wear of the liner
- Disc, shaft and conical pin of stainless steel
- Shaft bearings of PTFE coated steel
- Top shaft sealing: DN≤350: Bronze bushing with two EPDM O-rings, DN≥400: EPDM O-ring in bushing fixed with countersunk screws of galvanized steel
- Bottom shaft sealing: DN≤350: Plug of galvanized steel with a copper sealing ring, DN≥400: Axial bearing and ring of alubronze and an EPDM O-ring, protected by a cover plate of galvanized steel
- Low torques as a result of the profiled disc edge and fixed liner design
- Ductile iron body with 80 µ PUR orange RAL 2000

#### Accessories:

Lever, gearbox, pneumatic and electric actuators, universal Supa flange adaptor, dedicated tensile Supa Plus™ flange adaptor for PE/PVC, universal tensile Supa Maxi™ flange adaptor



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

**Component list:**

1. Shaft	Stainless steel 431	10. Bearing	Steel, PTFE coated
2. Bushing	Bronze	11. Seal ring	Copper
3. O-ring	NBR rubber	12. Plug	Steel, galvanized
4. Body	Ductile iron GJS-400-15	13. Screw	Steel, galvanized
5. Bearing	Steel, PTFE coated	14. Ring	Alu-bronze
6. Conical pin	Stainless steel 431	15. O-ring	NBR rubber
7. Disc	Stainless steel 431	16. Thrust bearing	Alu-bronze
8. Shaft	Stainless steel 431	17. Cover plate	Steel, galvanized
9. Liner	NBR rubber	18. Screw	Steel, galvanized

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

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Product PN Class	L mm	H1 mm	H2 mm	F2 mm	L5 mm	Actuator flange	Theoretical weight/kg
75-0050-10-1010026000	50	PN16	43	118	63	34	12	90	2.6
75-0065-10-1010026000	65	PN16	46	126	71	34	12	90	3.2
75-0080-10-1010026000	80	PN16	46	133	78	34	12	90	3.5
75-0250-10-1010013000	250	PN10	68	245	194	45	14	125	22
75-0300-10-1010013000	300	PN10	78	270	219	45	15	125	32
75-0350-10-1010013000	350	PN10	78	315	256	45	15	125	40
75-0400-10-1010013000	400	PN10	102	363	308	50	25	175	75
75-0400-10-1010023000	400	PN10	102	363	308	50	25	175	75
75-0450-10-1010013000	450	PN10	114	388	334	50	25	175	90
75-0450-10-1010023000	450	PN10	114	388	334	50	25	175	90
75-0500-10-1010013000	500	PN10	127	413	360	50	25	175	120
75-0500-10-1010023000	500	PN10	127	413	360	50	25	175	120
75-0600-10-1010013000	600	PN10	154	510	426	50	25	175	180
75-0600-10-1010023000	600	PN10	154	510	426	50	25	175	180