



AVK CENTRIC FULL LUG BUTTERFLY VALVE, PN 10/16

75/41-020

Fixed EPDM liner, duplex/rilsan coated disc, DN50-1000

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 - full lug type - duplex/rilsan coated disc for water and neutral liquids to max. 110°C

Standards:

- Face-to-face dimension according to EN 558 table 5 basic series 20
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Approved according to DIN-DVGW Certificate NW-6201AP2412
- Approved according to KIWA Certificate K 6070/05

Features:

- Bonded vulcanized liner of drinking water approved EPDM 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 duplex steel in DN≤200. Disc of rilsan coated ductile iron, and shaft and conical pin of stainless steel in DN≥250
- 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 200 µ epoxy coating blue RAL 5017

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



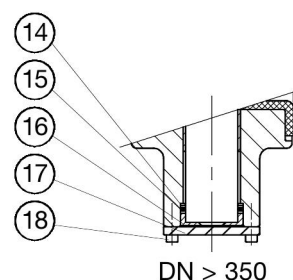
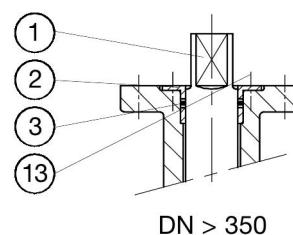
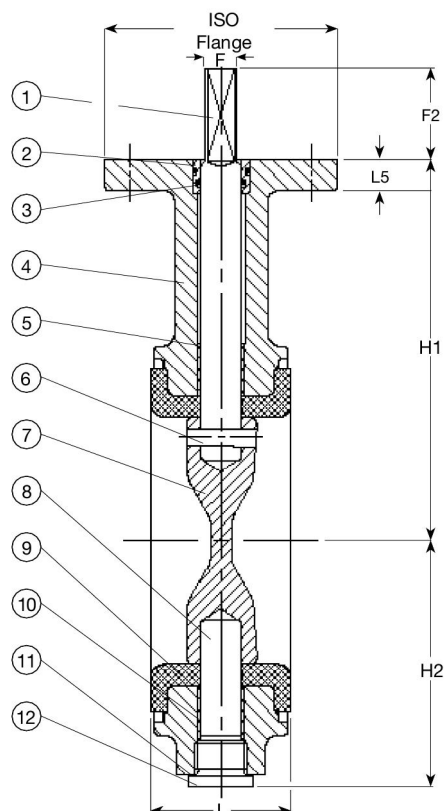
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Component list:

1. Shaft	Duplex steel	10. Bearing	Steel, PTFE coated
2. Bushing	Bronze	11. Seal ring	Copper
3. O-ring	EPDM rubber	12. Plug	Steel, galvanized
4. Body	Ductile iron GJS-400-15 (GGG-40)	13. Screw	Steel, galvanized
5. Bearing	Steel, PTFE coated	14. Ring	Alu-bronze
6. Conical pin	Duplex steel	15. O-ring	EPDM rubber
7. Disc	DN 200 Duplex SS, DN 250 DI	16. Thrust bearing	Alu-bronze
8. Shaft	Duplex steel	17. Cover plate	Steel, galvanized
9. Liner	EPDM 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	Flange drilling	L mm	H1 mm	H2 mm	F mm	F2 mm	L5 mm	ISO Flange	Theoretical weight / kg
75-0050-41-223002614200 ⁽¹⁾	50	PN10/16	43	118	63	10	34	12	90	8.0
75-0065-41-223002614200 ⁽¹⁾	65	PN10/16	46	126	71	10	34	12	90	9.0
75-0080-41-223002614200 ⁽¹⁾	80	PN10/16	46	133	78	10	34	12	90	10
75-0100-41-223002614200 ⁽¹⁾	100	PN10/16	52	147	98	12	34	12	90	12
75-0125-41-223002614200 ⁽¹⁾	125	PN10/16	56	160	109	12	34	12	90	16
75-0150-41-223002614200 ⁽¹⁾	150	PN10/16	56	180	133	16	34	14	90	20
75-0200-41-223001314200 ⁽¹⁾	200	PN10	60	204	158	16	34	14	90	25
75-0250-41-225101314200	250	PN10	68	245	194	24	45	15	125	28
75-0300-41-225101314200	300	PN10	78	270	219	24	45	15	125	36
75-0350-41-225101314200	350	PN10	78	315	256	24	45	15	125	50
75-0400-41-225101314200	400	PN10	102	363	308	30	50	25	175	85
75-0450-41-225101314200	450	PN10	114	388	334	30	50	25	175	105
75-0500-41-225101314200	500	PN10	127	413	360	30	50	25	175	130
75-0600-41-225101314200	600	PN10	154	510	426	40	50	25	175	205
75-0700-41-225101314200	700	PN10	165	560	480	46	60	25	210	325
75-0800-41-225101314200	800	PN10	190	610	525	46	60	25	210	625
75-0900-41-225101314200	900	PN10	203	690	635	60	90	30	300	625

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AVK ref. no.	DN	Flange	L	H1	H2	F	F2	L5	ISO	Theoretical
	mm	drilling	mm	mm	mm	mm	mm	mm	Flange	weight / kg
75-1000-41-225101314200	1000	PN10	216	740	685	60	90	30	350	950
(1) Disc material in duplex										