



AVK CENTRIC BUTTERFLY VALVE LUG TYPE, PN10/16

820/10-029

Stainless steel disc, with loose EPDM liner for drinking water, bare shaft

AVK centric butterfly valves with loose liner, available in wafer, lug and U-section, designed for a wide standard range of actuators. The butterfly valves are designed with square driven anti-blowout shaft and slim disc of acid-resistant stainless steel, or Rilsan coated ductile iron disc, with machined and polished disc edges resulting in low torques.

Product description:

For drinking water and neutral liquids up to max. 95°C

Design standards:

- EN 593
- Face-to-face dimension according to DIN/EN 558-1, series 20 (K1)
- Flange drilling to EN1092, PN10/16

Test/Approvals:

- Hydraulic test according to EN 12266-1
- Approved according to ACS-France
- Approved according to NSF/ANSI Standard 61
- Approved according to SVGW Certificate No. 9901-4048
- Approved for wastewater / pressure test EN12266-1
- Approved according to DIN-DVGW Certificate NW-6201CQ0333
- Approved according to PED.BD.000001, TÜV-Mark, EU pressure directive 2014/68

Features:

- Ductile iron body with long neck for insulation
- Loose liner of drinking water approved EPDM with integrated gasket faces and “saw profile” for optimum grip in body
- Square driven anti-blowout shaft in one-piece design up to DN 400, and from DN 450 with key and keyway in two-piece stub design with two self-lubricating bearings
- Slim disc of acid-resistant stainless steel with machined and polished edges reducing the friction between liner and disc
- Low operating torques allowing use of cost-effective actuators
- 200µ epoxy coating up to DN 400, 250µ polyurethane from DN 450
- According to PED 2014/68/EC appendix 1

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



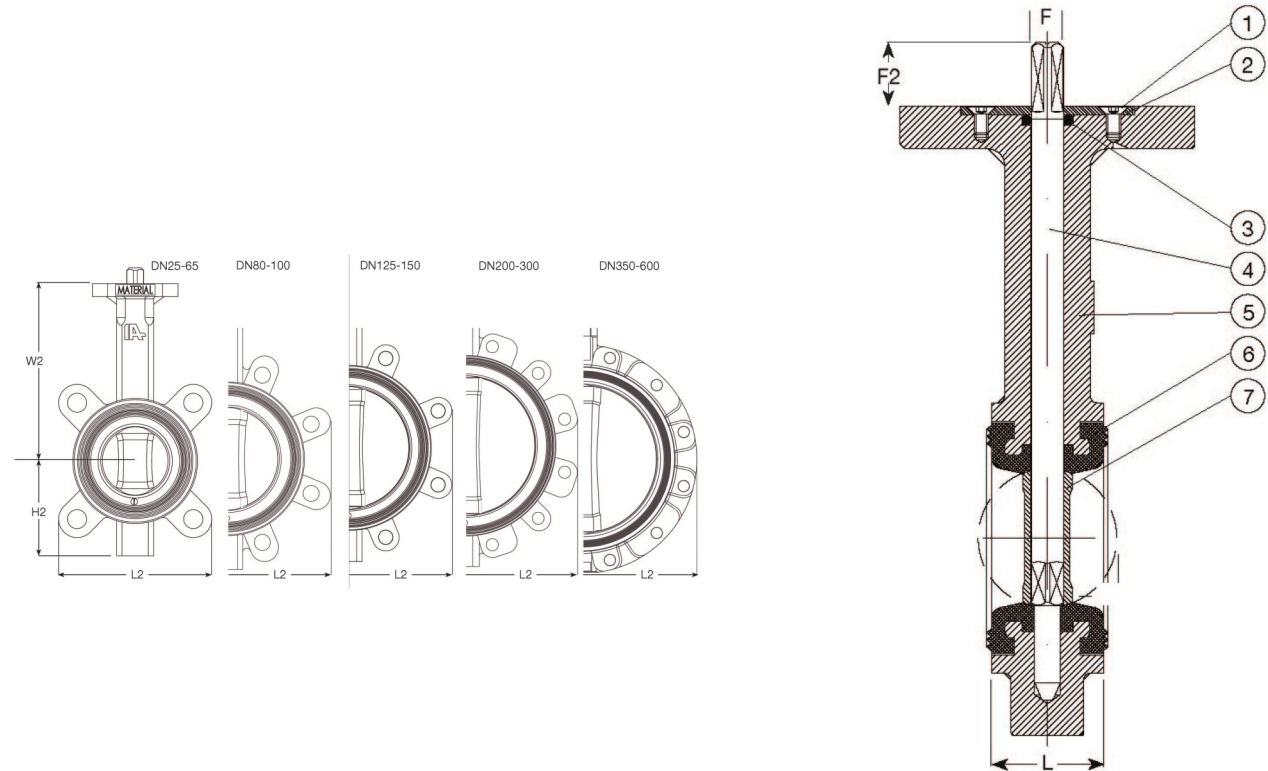
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The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

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Component list:

1. Bolt	Stainless steel A2	5. Body	Ductile iron GJS-400-15
2. Washer	Stainless steel A2	6. Liner	EPDM rubber
3. O-ring	NBR rubber	7. Disc	Stainless steel AISI 316
4. Shaft	Stainless steel AISI 420		

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	Delta P bar	Actuator flange	L mm	L2 mm	H2 mm	W2 mm	F mm	F2 mm	Theoretical weight/kg
820-0025-10-541L0160002	25	PN 10/16	16	F05	30	101	51	110	#8	12	1.5
820-0032-10-541L0160002	32	PN 10/16	16	F05	30	101	51	110	#8	12	1.5
820-0040-10-541L0160002	40	PN 10/16	16	F05	33	108	54	130	#8	12	1.9
820-0050-10-541L0160002	50	PN 10/16	16	F05	43	116	72	135	#11	12	2.4
820-0065-10-541L0160002	65	PN 10/16	16	F05	46	131	82	150	#11	12	4.8
820-0080-10-541L0160002	80	PN 10/16	16	F05	46	188	88	160	#11	12	4.0
820-0100-10-541L0160002	100	PN 10/16	16	F05/F07	52	219	102	180	#11	12	6.2
820-0125-10-541L0160002	125	PN 10/16	16	F05/F07	56	248	116	195	#14	16	7.7
820-0150-10-541L0160002	150	PN 10/16	16	F07	56	274	128	210	#14	16	8.4
820-0200-10-541L0030002	200	PN10	10	F07	60	332	161	240	#17	19	17
820-0200-10-541L0160002 (1)	200	PN16	16	F07	60	332	161	240	#17	19	17
820-0250-10-541L0030002	250	PN10	10	F10/F12	68	402	199	279	#22	24	24
820-0250-10-541L0160002 (1)	250	PN16	16	F10/F12	68	402	199	279	#22	24	24
820-0300-10-541L0030002	300	PN10	10	F10/F12	78	472	234	315	#22	24	32
820-0300-10-541L0160002 (1)	300	PN16	16	F10/F12	78	472	234	315	#22	24	32
820-0350-10-04020030002	350	PN10	10	F12	80	520	258	330	#22	40	55
820-0350-10-04020160002 (1)	350	PN16	16	F12	80	520	258	330	#22	40	55
820-0400-10-04020030002	400	PN10	10	F12	102	584	290	365	#27	40	75
820-0400-10-04020160002 (1)	400	PN16	16	F12	102	584	290	365	#27	40	75
820-0450-10-04060031002	450	PN10	10	F14	113	655	355	397	Ø45	65	150
820-0450-10-04060161002 (1)	450	PN16	16	F14	113	655	355	397	Ø45	65	150

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820-0500-10-04060031002	500	PN10	10	F14	126	712	393	437	Ø45	65	170
820-0500-10-04060161002 ⁽¹⁾	500	PN16	16	F14	126	712	393	437	Ø45	65	170
820-0600-10-04060031002	600	PN10	10	F16	153	829	464	522	Ø70	80	240
820-0600-10-04060161002 ⁽¹⁾	600	PN16	16	F16	153	829	464	522	Ø70	80	240

⁽¹⁾ 10 bar. working pressure also available