



## AVK CENTRIC U-SECTION BUTTERFLY VALVE, PN 10/16

820/20

Loose EPDM liner for drinking water, with bare shaft



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



### Product Description:

Centric butterfly valve with loose liner and bare shaft - U-section for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 593
- Face to face according to DIN/EN 558-1, series 20 (K1)
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10

### Test/Approvals:

- Hydraulic test according to EN 12266-1, P10/P12
- Approved according to DIN-DVGW Certificate NW-6201BS0394
- Approved according to ACS Certificate 10 ACC LI 038
- Approved according to SVGW Certificate No. 9901-4048



### Features:

- Ductile iron 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 rilsan coated ductile iron up to DN700 and epoxy coating from DN800 with machined and polished edges reducing the friction between liner and disc
- Low operating torques allowing use of cost-effective actuators
- 200 µ epoxy coating up to DN 400, 250 µ polyurethane from DN 450, optionally other coatings
- According to PED 97/23/EC appendix 1

### Accessories:

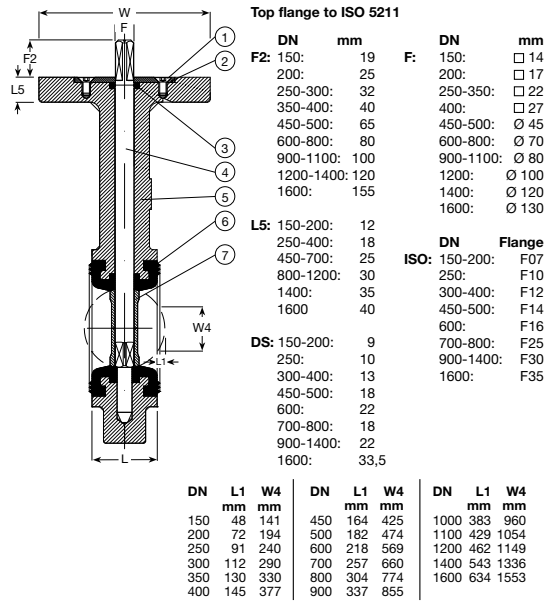
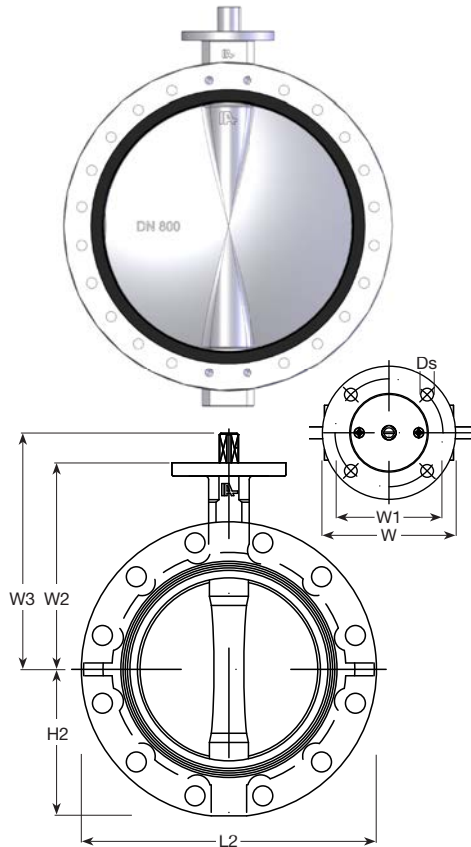
Lever, gearbox, pneumatic and electric actuators, universal Supa flange adaptor, dedicated tensile Supa Plus™ flange adaptor for PE/PVC, universal tensile Supa Maxi™ flange adaptor



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## Component List:

1. Bolt	Stainless steel A2	2. Retainer washer	Stainless steel A2
3. O-ring	NBR rubber	4. Shaft	Stainless steel AISI 420
5. Body	Ductile iron, EN-GJS-400-15 (GGG-40)	6. Liner	EPDM rubber
7. Disc	Ductile iron with rilsan coated		

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

## Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Product PN Class	Flange drilling	L mm	L2 mm	H2 mm	W2 mm	W3 mm	W mm	W1 mm	Theoretic. weight kg
820-0150-20-041E0160002	150	PN16	PN10/16	56	285	133	210	229	90	70	15
820-0200-20-041E0030002	200	PN10	PN10	60	340	163	240	265	90	70	20
820-0200-20-041E0160002	200	PN16	PN16	60	340	163	240	265	90	70	20
820-0250-20-041E0030002	250	PN10	PN10	68	406	196	279	311	155	125	31
820-0300-20-041E0030002	300	PN10	PN10	78	482	232	315	347	155	125	44
820-0300-20-041E0160002	300	PN16	PN16	78	482	232	315	347	155	125	44
820-0350-20-04010030002	350	PN10	PN10	80	533	257	330	370	155	125	59
820-0350-20-04010160002	350	PN16	PN16	80	533	257	330	370	155	125	59
820-0400-20-04040030002	400	PN10	PN10	102	597	292	365	375	155	125	82
820-0400-20-04040160002	400	PN16	PN16	102	597	292	365	375	155	125	82
820-0450-20-04040031002	450	PN10	PN10	113	640	355	397	462	175	140	118
820-0450-20-04040161002	450	PN16	PN16	113	640	355	397	462	175	140	118
820-0500-20-04040031002	500	PN10	PN10	126	715	393	437	502	175	140	175
820-0500-20-04040161002	500	PN16	PN16	126	715	393	437	502	175	140	165
820-0600-20-04040031002	600	PN10	PN10	153	840	464	522	602	220	165	260
820-0600-20-04040161002	600	PN16	PN16	153	840	464	522	602	220	165	747
820-0700-20-04040161002	700	PN16	PN10	168	927	503	565	645	300	254	345
820-0800-20-04050031002	800	PN10	PN10	190	1060	577	627	707	300	254	510
820-0800-20-04050161002	800	PN16	PN16	190	1060	577	627	707	300	254	510

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

AVK ref. nos	DN mm	Product PN Class	Flange drilling	L mm	L2 mm	H2 mm	W2 mm	W3 mm	W mm	W1 mm	Theoretic. weight kg
820-0900-20-04050031002 <sup>(1)</sup>	900	PN10	PN10	204	1170	643	696	776	350	298	660
820-0900-20-04050161002 <sup>(1)</sup>	900	PN16	PN16	204	1170	643	696	776	350	298	660
820-1000-20-04050031002 <sup>(1)</sup>	1000	PN10	PN10	216	1255	693	745	875	350	298	790
820-1000-20-04050161002 <sup>(1)</sup>	1000	PN16	PN16	216	1255	693	745	875	350	298	790
820-1100-20-04050031002 <sup>(1)</sup>	1100	PN10	PN10	218	1395	738	820	920	350	298	850
820-1100-20-04050161002 <sup>(1)</sup>	1100	PN16	PN16	218	1395	738	820	920	350	298	850
820-1200-20-04050031002 <sup>(1)</sup>	1200	PN10	PN10	254	1485	806	881	1001	350	298	1180
820-1200-20-04050161002 <sup>(1)</sup>	1200	PN16	PN16	254	1485	806	881	1001	350	298	1180
820-1400-20-04050031002 <sup>(1)</sup>	1400	PN10	PN10	280	1746	908	990	1110	350	298	1700
820-1600-20-04050031002 <sup>(1)</sup>	1600	PN10	PN10	318	1924	1048	1117	1272	418	356	2600

<sup>(1)</sup> 250 my PUR coating on body