

AVK GATE VALVE PN 16 WITH SUPA PLUS™ COUPLING 01/70

To DIN 3352 part 4
 With tensile Supa Plus™ coupling for uPVC- and PE-pipes
 For pipes PE 100 - PN 6.3, PN 10 and PN 16 and for PE 80 - PN 6.3 and PN 10 to DIN 8074
 For pipes Sigma 100 - PN 6 and PN 10. Sigma 125 - PN 7.5 and PN 10

Use:

For water and neutral liquids.
 Total angular deflection of $2 \times \pm 3.5$ degrees.
 An AVK support bush is **always** to be used on PE-pipes, whenever using a tensile resistant sealing ring.
 Highest allowable temperature as for the pipe used, however max. 70°C.

Tests:

Hydraulic test to DIN 3230 part 4:
 Seat: PN
 Body: 1.5 X PN
 Operation torque test

Optional extras:

Handwheel
 Extension spindle
 Stem cap
 Support bush

Approvals:

All materials are WRC approved
 DVGW-W270 approved EPDM rubber
 available on request

Materials:

Body, bonnet and bracket	Ductile iron, min. GGG-40, to DIN 1693, EN-GJS-400: EN 1563: 1998
Coating	Electrostatically applied epoxy resin to DIN 30677 - internally and externally
Stem	Stainless steel, DIN X 20 Cr 13
Stem sealing	NBR wiper ring, 2 NBR O-rings inside and 2 outside a plastic bearing, EPDM rubber manchette
Wedge	Ductile iron, GGG-50, core fully vulcanized with EPDM rubber, with integral wedge nut of dezincification resistant brass, CZ 132 to BS 2874
Thrust collar	Dezincification resistant brass, CZ 132 to BS 2872
Bonnet bolts	Stainless steel A2, sealed with hot melt
Bonnet gasket	EPDM rubber
Tensile sealing ring	Gun metal, DIN 17005 RG5 / EPDM rubber
Nut	Stainless steel (AISI 316), A4 grade 70 PTFE coated
Square neck bolt and washer	Stainless steel, A2 grade 70
Cap	Plastic

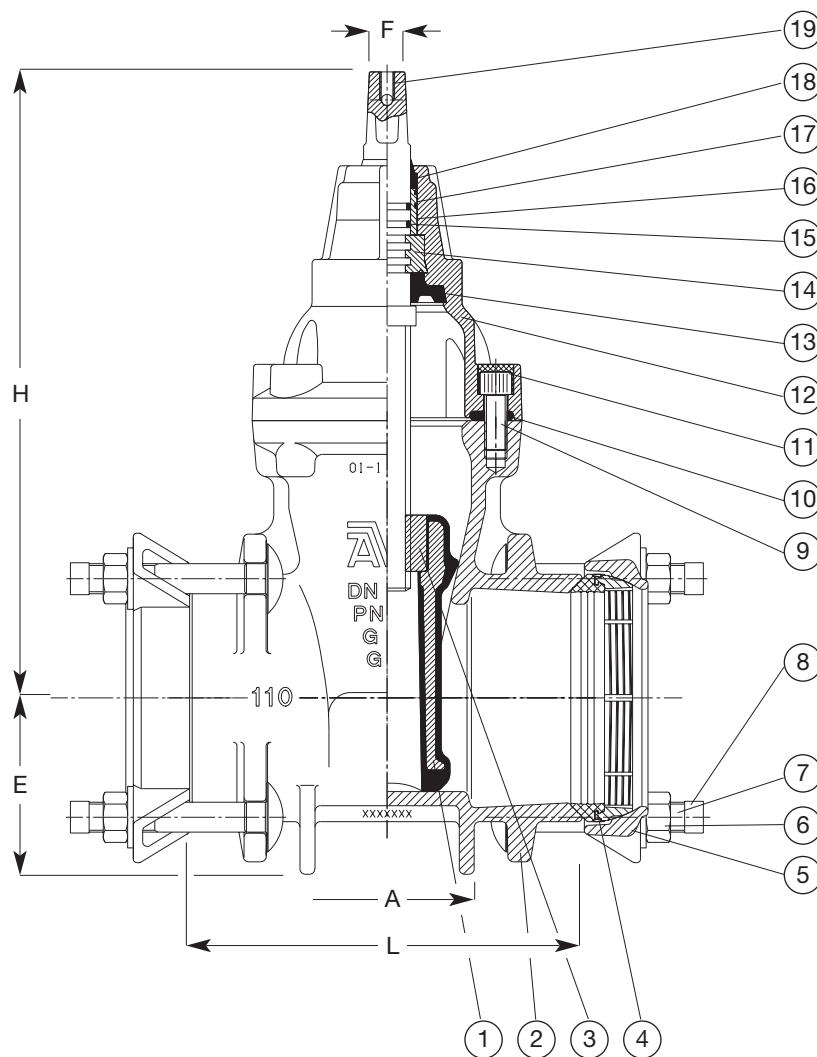


For further specifications, see section "Technical information".
 The designs, materials and specifications shown are subject to change without notice due to our continuing programme of product development.

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Component list

- | | | |
|-------------------------|-------------------|-------------------|
| 1. Wedge | 8. Cap | 15. O-ring |
| 2. Body | 9. Bonnet bolt | 16. Slide bearing |
| 3. Wedge nut | 10. Bonnet gasket | 17. O-ring |
| 4. Tensile sealing ring | 11. Screw cover | 18. Wiper ring |
| 5. Bracket | 12. Bonnet | 19. Stem |
| 6. Nut | 13. Stem seal | |
| 7. Square neck bolt | 14. Thrust collar | |



Ref.nos.	DN	OD PE/uPVC	A mm	E mm	H mm	L mm	F mm	Number of bolts	Theoretic weight kilos
01-050-70016	40	50	64	44	236	182	14	2 x 2 M16	7
01-063-70016	50	63	68	52	241	182	14	2 x 2 M16	8
01-075-70016	65	75	70	58	271	182	17	2 x 2 M16	9
01-090-70016	80	90	78	68	297	200	17	2 x 2 M16	13
01-110-70016	100	110	90	94	334	208	19	4 x 2 M16	18
01-125-70016	125	125	91	102	375	208	19	4 x 2 M16	24
01-140-70016	125	140	95	107	375	220	19	4 x 2 M16	40
01-160-70016	150	160	124	118	448	260	19	4 x 2 M16	56
01-180-70016	150	180	124	128	448	260	19	4 X 2 M16	56
01-200-70016	200	200	124	158	562	309	24	6 x 2 M16	58
01-225-70016	200	225	133	172	562	309	24	6 x 2 M16	80
01-250-70016	250	250	143	174	664	339	27	6 x 2 M16	95
01-280-70016	250	280	155	184	664	339	27	6 x 2 M16	123
01-315-70016	300	315	184	208	740	380	27	6 x 2 M16	246

