



## AVK WEDGE GATE VALVE, PN25

21/60

The Series 21/60 is a resilient seat, wedge gate valve, rated to PN25, suitable for use with water and neutral liquids, to a maximum temperature of +70°C.

### Features:

- Cap top as standard.
- Ductile iron wedge, fully vulcanised with EPDM rubber.
- O-ring stem seals replaceable under pressure.
- Fully corrosion resistant construction.
- Fusion bonded epoxy coating.
- Body/bonnet bolts sealed with hot melt.
- Bosses for sampling or by-passing (undrilled).
- Components WRAS approved

### Options:

- Handwheel.
- Electric actuation.
- Bevel or spur gearboxes.
- Alternative flange drilling.
- Clockwise to open (red insert), clockwise to close (white insert).

### Note:

It is recommended that applications in a corrosive atmosphere or sited in exposed locations use a stainless steel stem 1.4404 (316) and all exposed fasteners including the handwheel bolt and washer in A4 stainless steel. The problem of early indications of surface corrosion is caused by corrosive atmosphere and exposure to rainwater and the proximity of sea water or spray.



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

## TESTS

Hydraulic test to BS EN 1074-1 & 2.  
Seat: 1.1 x PN (PFA) Body: 1.5 x PN (PFA). Operating torque test.

## SERVICE CONDITIONS

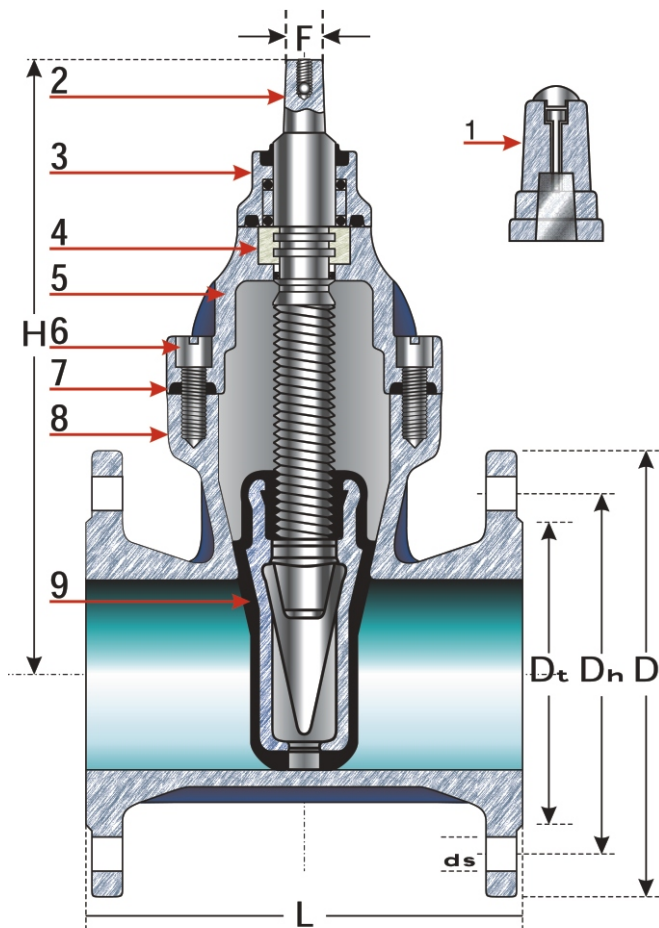
Maximum Working Pressure: 25 Bar. (2.5 mpa).  
Temperature Range: -10°C to +70°C.  
Insulation essential for temperatures of 0°C and below.

## APPLICABLE STANDARDS

To BS 5163: part 1 & 2 type B. BS EN 1074-1 & 2. Stem sealing replaceable under pressure.  
Overall length to BS 5163: Pt 1 (BS EN 558-1).  
Flanges and drilling to BS EN 1092-2.

## MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Stem Cap	Grey cast iron, BS EN 1561 EN-GJL-250 complete with cap screw BZP GR 8.8 to BS 4168: Part 1.(DIN 912).
2	Stem	Stainless steel, BS EN 10088-1.No.1.4021.
3	Grand Flange Assembly	Ductile iron, BS EN 1563 EN-GJS-500-7 complete with polyamid bushing containing 1 wiper ring + 3 O rings of NBR and 2 bolts bright zinc plated Gr 8.8, BS 3692: (DIN 933).
4	Thrust Collar	DZR brass, BS EN 12164, CW602N.
5	Bonnet	Ductile iron, BS EN 1563 EN-GJS-500-7.
6	Bonnet Bolts	BZP Gr 8.8: up to DN 200 BS4168: (DIN 912) sealed with hot melt. DN250 & DN 300 Gr12.9 Delta Coated.
7	Body, Bonnet Seal	EPDM rubber, EUW-70, WRAS listed.
8	Body	Ductile iron, BS EN 1563 EN-GJS-500-7.
9	Wedge Assembly	Ductile iron, BS EN 1563 EN-GJS-500-7. Fully encapsulated with EUW-70 rubber WRAS listed, complete with wedge nut of DZR brass BS EN 12164, CW 602N.
	Coating	Internal and external, electrostatically applied. Blue epoxy to WIS 4-52-01 Class B. Epoxy powder is



## DIMENSIONS & WEIGHTS

Ref No.	DN	L	H	Dt	D	Dh	ds	Holes	F	Weight
		mm	mm	mm	mm	mm	mm	no.	mm	Kilos
21-050-60X7	50	178	279	98	165	125	19	4	19	18
21-080-60X7	80	203	294	133	200	160	19	8	19	22
21-100-60X7	100	229	324	159	235	190	23	8	19	30
21-150-60X7	150	267	429	214	300	250	28	8	24	52
21-200-60X7	200	292	531	274	360	310	28	12	27	80
21-250-60X7	250	330	614	331	425	370	31	12	27	132
21-300-60X7	300	356	690	389	485	430	31	16	27	180
21-400-60X7	400	406	867	503	620	550	37	16	32	300

X=2 for clockwise to close, 3 for clockwise to open.