

The Series 21/00 is a resilient seat, wedge gate valve, suitable for use with water and neutral liquids (sewage), 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.

Options:

- Handwheel.
- Electric actuation.
- Bevel or spur gearboxes.
- Alternative flange drilling.
- ISO gland flanged version for gearbox and actuator mounting (21/01).
- Clockwise to open (red insert), clockwise to close (white insert).



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

AVK UK Limited

DS011107

TESTS

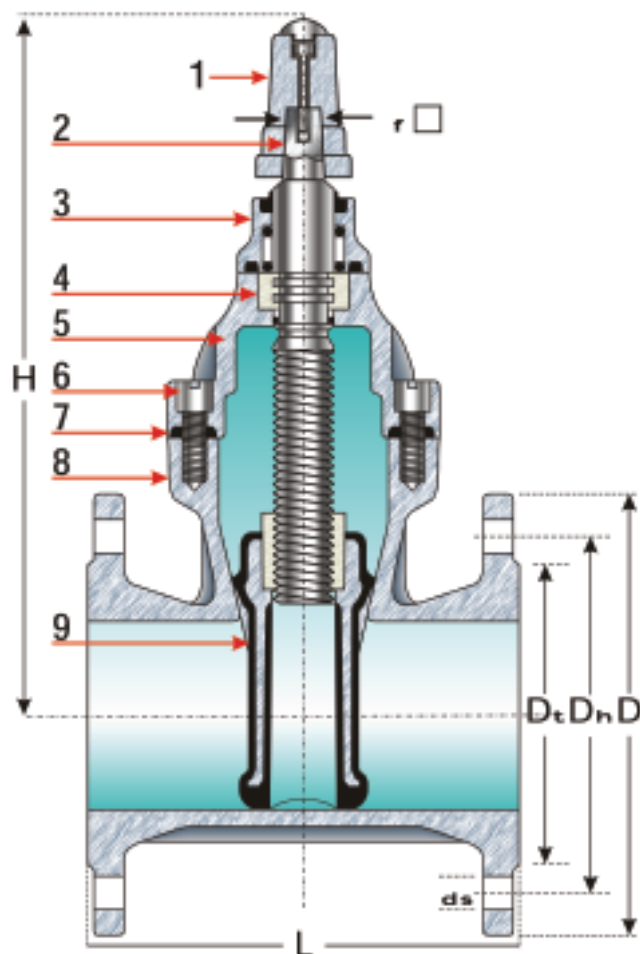
Hydraulic test to BS EN 1074-1 & 2.
Seat: 1.1 x PN (PFA) Body: 1.5 x PN (PFA) Operating torque test.

SERVICE CONDITIONS

Maximum Working Pressure: 16 Bar. (1.6 mpa).
Temperature Range: -10°C to +70°C. Insulation essential for temperatures of 0°C and below.
Maximum Dry Solid Content: 10 %.

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. WRAS listed.



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: (DIN 912).
2	Stem	Stainless steel, BS EN 10088-1.No.1.4021.
3	Gland 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: 1967. (DIN 933).
4	Thrust Collar	DZR brass, BS EN 12164, CW 602N.
5	Bonnet	Grey cast iron, BS EN 1561 EN-GJL-250.
6	Bonnet Bolts	BZP Gr 8.8, BS 4168: Part 1 sealed with hot melt. (DIN 912).
7	Body, Bonnet Seal	EPDM rubber, ESW-70, WRAS listed.
8	Body	Grey cast iron, BS EN 1561 EN-GJL-250.
9	Wedge Assembly	Ductile iron, BS EN 1563 EN-GJS-500-7. Fully encapsulated with ESW-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. WRAS listed.

DIMENSIONS & WEIGHTS

Ref Nos.	DN	L mm	H mm	Dt mm	D mm	Dh mm	ds no.	Holes no.	f mm	Wt Kg
						PN10 PN16	PN10 PN16	PN10 PN16		
21-050-00X1	50	178	321	102	165	125	18	4	19	18
21-080-00X1	80	203	336	138	200	160	18	8	19	21
21-100-00X1	100	229	366	158	220	180	18	8	19	28
21-150-00X1	150	267	500	212	285	240	22	8	24	48
21-200-00X1	200	292	605	268	340	295 295	22 22	8 12	27	75
21-250-00X1	250	330	688	320	405	350 355	22 26	12 12	27	114
21-300-00X1	300	356	764	370	460	400 410	22 26	12 12	27	153
21-350-00X1	350	381	934	432	533	460 470	22 26	16 16	32	275
21-400-00X1	400	406	934	482	580	515 525	26 30	16 16	32	304

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



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