



AVK RESILIENT SEATED GATE VALVE, PN16

21/50

Clockwise to Close

006

The 21 is a resilient seat, wedge gate valve for isolation purposes suitable for use with water and neutral liquids (sewage) to a maximum temperature +70°C.

Product Description:

Resilient seat gate valve to BS EN 1074-2 / BS 5163-1 for water and wastewater: -10° C to +70° C. 10% solid matter. Insulation essential for temperatures of 0° C and below. Maximum Working Pressure: 16 bar.

Standards:

- Designed according to EN 1074 - 2 Annex B (BS5163/Type B)
- Face to face according to EN 558 Table 2 Basic Series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266.
- Approved according to WRAS

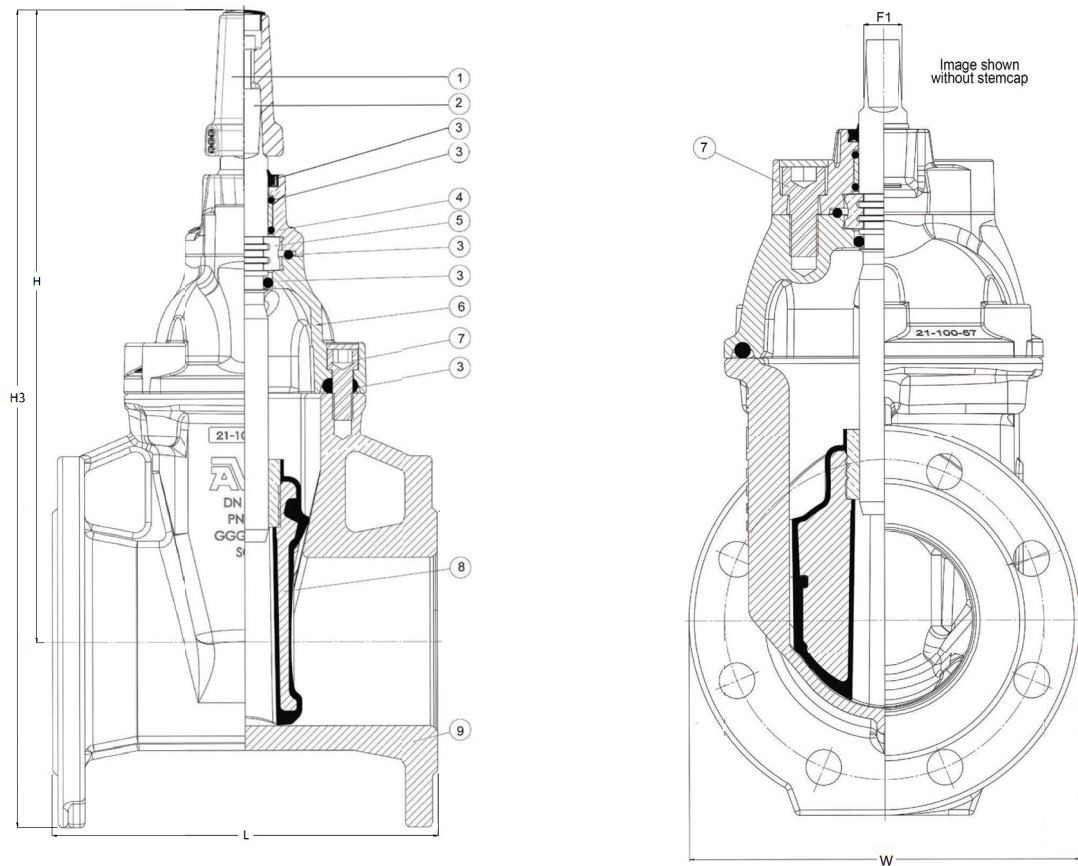
Features:

- Cap top as standard.
- Ductile iron wedge, fully vulcanized with EPDM rubber.
- O-ring stem seals replaceable under pressure.
- Fully corrosion resistant construction.
- Blue fusion bonded epoxy coating, in accordance with WIS 4-52-01.
- Body, bonnet and gland bolts sealed with hot melt.
- Lifting bars.
- **Options:**
 - PN10 flange drilling.
 - ISO flange gland version for gearbox and actuator mounting (21/78).
 - Clock wise to close (white insert)
 - Version available for salt laden environments (21/58).
- **Safety Note:**
 - The valves now accommodate lifting bars for the safe handling of valves. These lifting bars are rated to the weight of the bare valve and stem cap (where fitted) only and should not be utilised if the valve is fitted with pipe, mechanical pipe joints, gearboxes, actuators or any other external fitment. AVK will not accept any responsibility for loss or damage if the lifting bars are not used in strict accordance with this guidance.

Accessories:

- Hand wheel.
- Full range of flange adaptors and dismantling joints.





Component List:

1. Stem Cap	Grey iron, BS EN 1561 EN-GJL-250 complete with cap screw FZP GR 8.8 to ISO 4762	2. Stem	Stainless steel W1.4021
3. Seals	EPDM or WRAS approved Nitrile	4. Gland Flange Assembly	Ductile iron, EN-GJS-500-7 (GGG-50) c/w polyamid bushing inc' 1 wiper ring, 3 O rings of EPDM, 2 bolts Grade 8.8 sealed with hot melt
5. Thrust Collar	DZR brass, BS EN 12164, CW602N.	6. Bonnet	Ductile iron, EN-GJS-500-7 (GGG-50)
7. Bonnet bolt	HT Steel Grade 8.8 sealed with hot melt	8. Wedge Assembly	Ductile iron, EN-GJS-500-7 (GGG-50) Fully encapsulated with EUW-70 rubber WRAS listed, c/w wedge nut of DZR brass BS EN 12164, CW 602N
9. Body	Ductile iron, EN-GJS-500-7 (GGG-50)	Coating	Internal and external, electrostatically applied. Blue epoxy to WIS 4-52-01 Class B. WRAS listed

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

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H3 mm	H mm	F1 mm	W mm	Theoretic. weight kg
21-050-50-2140069	50	PN10/16	178	409	326	19	165	14
21-080-50-2140069	80	PN10/16	203	439	339	19	200	17
21-100-50-2140069	100	PN10/16	229	481	371	19	220	23
21-150-50-2140069	150	PN10/16	267	646	503	24	285	41
21-200-50-2140069	200	PN16	292	762	592	27	340	56
21-250-50-2140069	250	PN16	330	880	680	27	400	85
21-300-50-2140069	300	PN16	356	986	758	27	455	123
21-350-50-2140069	350	PN16	381	1088	821	37	554	214
21-400-50-2140069	400	PN16	406	1138	848	37	580	221

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