

CORROSION RESISTANT VALVES & FITTINGS

AQUA-GAS

SERIES 21 WEDGE GATE VALVE PN10 or PN16

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

Features:

- Ductile iron wedge, fully vulcanised with EPDM.
- O-ring stem seals replaceable under pressure.
- Fully corrosion resistant construction.
- Fusion bonded epoxy coating.
- Body bonnet bolts sealed with wax.
- Bosses for sampling or by-passing.



Options:

- ▶ Cap top as standard.
- ▶ Handwheel.
- ▶ Electric actuation.
- ▶ Bevel or spur gearboxes.
- ▶ ANSI drillings.
- ▶ ISO gland flanged version for gearbox and actuator mounting (21/0X).

SPECIFICATIONS

SERIES 21 WEDGE GATE VALVE

TESTS

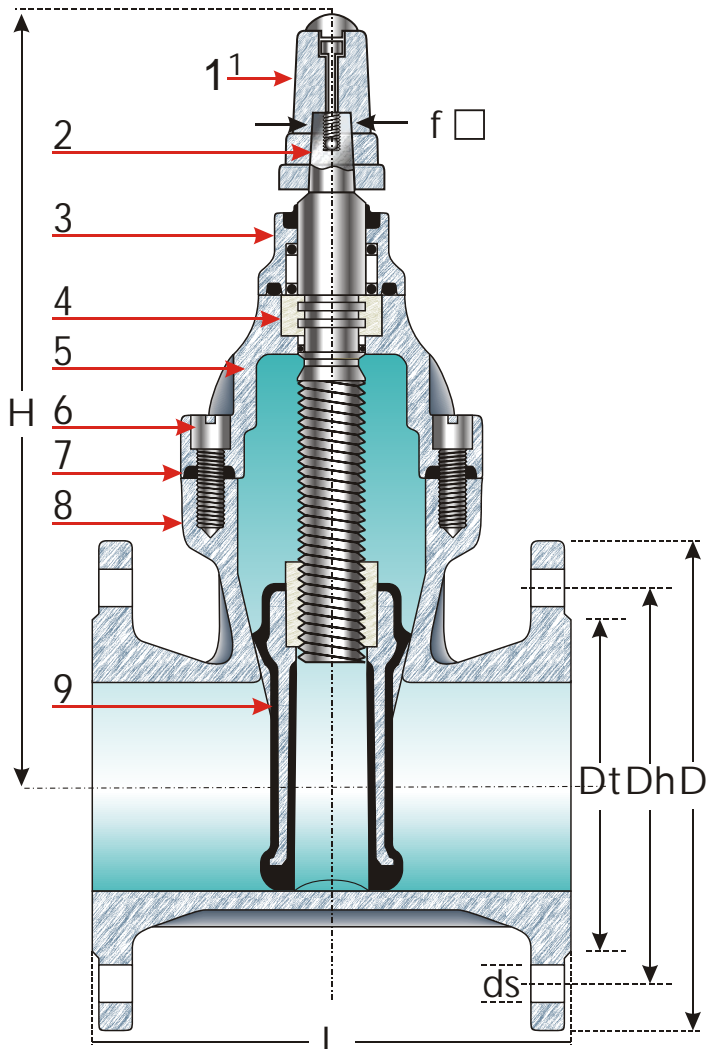
Hydraulic test to BS 5163:
Seat: 1.1 x PN **Body:** 1.5 x PN Operating torque test

SERVICE CONDITIONS

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

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Stem Cap	Grey cast iron BS EN 1561 GJL-HB-195 complete with Bolt BZP GR 8.8 to BS 4168: Part 1.
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 cadmium plated Gr 8.8, BS 3692 : 1967.
4	Thrust Collar	DZR brass, BS EN 12164,CW 602N.
5	Bonnet	Grey cast iron BS EN 1561 GJL-HB-195
6	Bonnet Bolts	BZP Gr 8.8, BS 4168 : Part 1 sealed with hot wax.
7	Body, Bonnet O Ring Seal	EDJ-70 rubber, WRAS listed.
8	Body	Grey cast iron BS EN 1561 GJL-HB-195.
9	Wedge Assembly	Ductile iron BS EN 1563 EN-GJS-500-7. Fully encapsulated with EDJ-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.



APPLICABLE STANDARDS

To BS 5163: 1986 type B. Stem sealing replaceable under pressure.
 Overall length to BS 5163 : 1986.
 Flanges and drilling to BS EN 1092-2.. WRAS listed.

DIMENSIONS & WEIGHTS

Ref Nos.	DN	L mm	H mm	Dt mm	D mm	Dh mm		ds mm		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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The designs, materials and specifications shown are subject to change without notice due to our continuing programme of product development.