

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.
- 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)

Options:

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



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

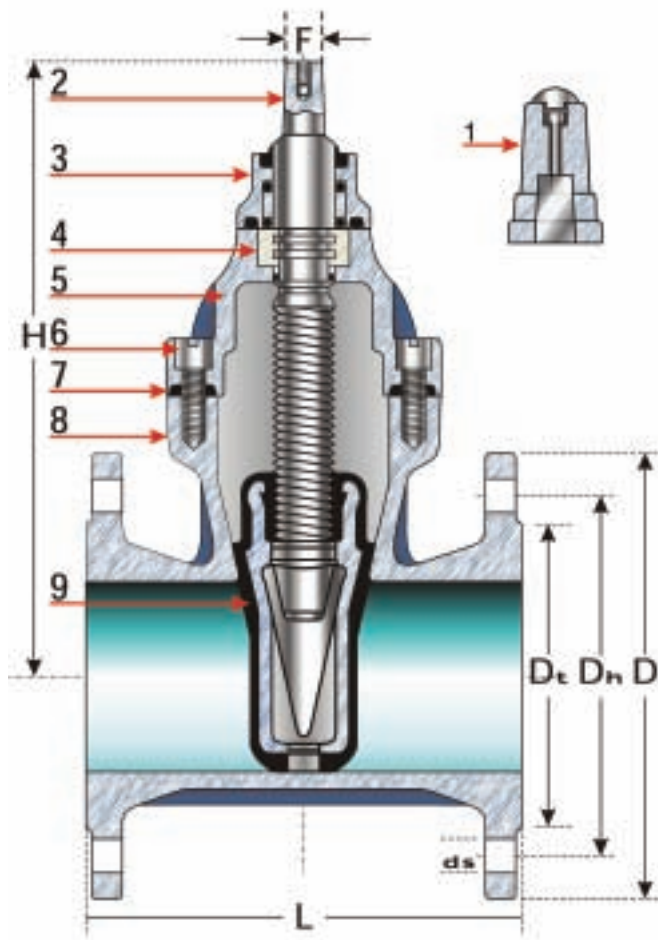
Maximum Working Pressure: 25 bar. (2.5 mpa)
Temperature Range: -10°C to +70°C. Insulation essential for temperatures of 0°C and below.

APPLICABLE STANDARDS

To BS 5163: pt 1 & 2 type B. BS EN 1074-1&2. Stem sealing replaceable under pressure. Overall length to BS 5163 Pt1(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 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 : (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 150 BS 4168 : (DIN 912) sealed with hot melt.
7	Body, Bonnet Seal	Gr12-9 DN200 & above EPDM Rubber ESW70-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 ESW-70 rubber, complete with wedge nut of DZR brass BS EN 12164,CW602N.
	Coating	Internal and external, electrostatically applied blue epoxy to WIS 4-52-01 Class B. Epoxy powder is WRAS listed



DIMENSIONS & WEIGHTS

Ref Nos.	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	16
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
21-350-60X7	350	381	867	446	555	490	34	16	32	295
21-400-60X7	400	406	867	503	620	550	37	16	32	300

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