

The Series 37/40 is a metal seated, wedge gate valve, suitable for use with water and neutral liquids, to a maximum temperature of 70°C.

Features:

- Cap top as standard.
- Ductile iron construction, with gunmetal seat rings.
- O-ring stem seals replaceable under pressure.
- Fully corrosion resistant construction.
- Fusion bonded epoxy coating.
- Body bonnet bolts sealed with hot melt.
- Lifting points.
- Bosses for sampling or by-passing. (undrilled)

Options:

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



TESTS

Hydraulic test to BS 5163:1986
 Seat: 1.1 x PN (PFA) Body: 1.5 x PN (PFA) Operating torque test.

SERVICE CONDITIONS

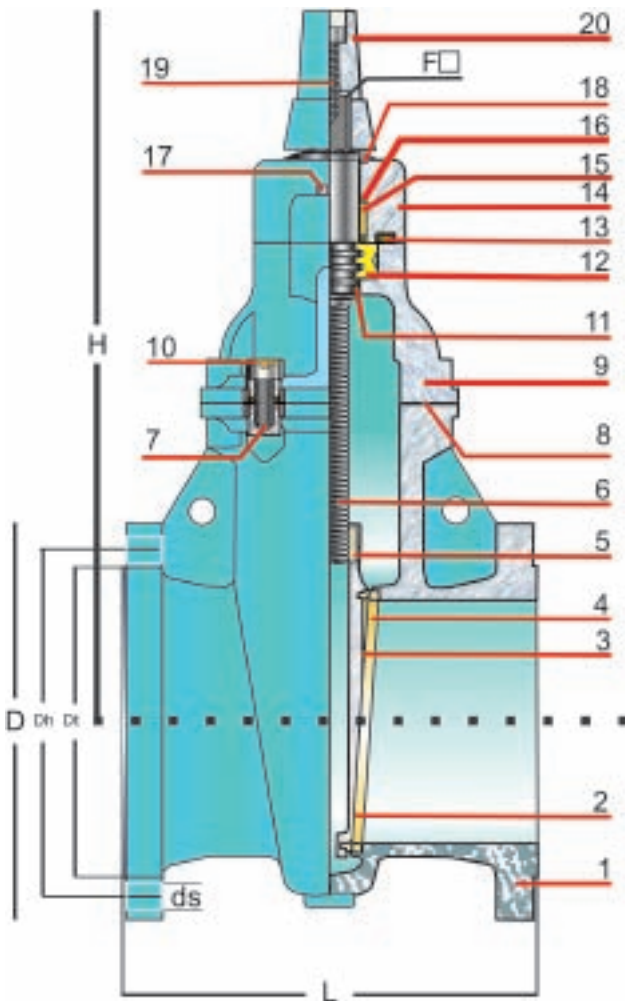
Maximum Working Pressure: 16 bar. (1.6mpa)
 Temperature Range: -10°C to +70°C. Insulation essential for temperatures of 0°C and below.

APPLICABLE STANDARDS

To BS 5163: Part 1 type B. BS 5163 Part 2.
 Stem sealing replaceable under pressure.
 Overall length to BS 5163 : BS EN 558-1
 Flanges and drilling to BS EN 1092-2.

MATERIALS OF CONSTRUCTION

No.	DESCRIPTION	MATERIAL
1	Valve body	Ductile iron BS EN 1563 EN.GJS 500-7.
2	Wedge casting	Ductile iron BS EN 1563 EN.GJS 500-7.
3	Wedge face	Copper alloy BS EN 1982 CC491K (LG2).
4	Body face	Copper alloy BS EN 1982 CC491K (LG2).
5	Wedge nut	Copper Alloy BS EN 1982 CC491K (LG2)
6	Stem	Stainless steel BS EN 10088-1 no1 4021
7	Bonnet bolts	Zinc coated carbon steel 8.8 BS 4168-1 (DIN912), sealed with hot melt.
8	Bonnet gasket	EPDM ESW-70
9	Bonnet	Ductile Iron BS EN 1563 EN GJS 500-7.
10	Screw cover	Hot melt
11	O-ring stem seal	NBR rubber, WN 12/7/1 WRAS listed
12	Thrust collar	DZR Brass BS EN 12164CW602N (CZ132)
13	O-ring	NBR rubber WN 12/7/1 WRAS listed
14	Gland flange	Ductile iron BS EN 1563 EN GJS 500-7
15	Bushing	Polyamid 6.6
16	O-ring	NBR rubber WN 12/7/1 WRAS listed
17	Gland bolts	BZP GR 8.8 to BS3692 (DIN 933)
18	Wiper ring	NBR rubber BS EN 681
19	Stem cap bolt	BZP GR 8.8 to BS4168 pt1 (DIN912)
20	Stem cap	Grey cast iron BS EN 1561 EN-GJL-250
21	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 mm	H mm	Dt mm	D mm	Dh mm		ds mm		Holes no.		f mm	Wt Kg
						PN10	PN16	PN10	PN16	PN10	PN16		
37-050-40X1	50	178	320	99	165	125	19	4	19	17			
37-080-40X1	80	203	365	132	200	160	19	8	19	23			
37-100-40X1	100	229	394	156	220	180	19	8	19	35			
37-150-40X1	150	267	517	211	285	240	23	8	24	65			
37-200-40X1	200	292	631	266	340	295	295	23	23	8	12	27	104
37-250-40X1	250	330	710	319	405	350	355	23	28	12	12	27	170
37-300-40X1	300	356	791	370	460	400	410	23	28	12	12	27	228

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