

VALVEMAKER

Resilient Seated Gate Valve

Resilient Seal

BSEN1074-1&2 / BS5163-1&2



For Waterworks/Drainage/Sewage Purpose & General Use

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SPECIFICATION

The Valvemaker valve complies fully with the requirement of BSEN1074-1&2, BS5163-1&2 and BS5150. They are of the wedge gate design with inside screw non-rising spindle type for direct operation through stem caps, removable ring key/bar or handwheel to CLOSE clockwise.

DESIGN	BENEFITS
Ductile Iron Body & Bonnet	Strength, low mass.
3 Point Wedge Guide	Prevents tilting of wedge. Minimizes closing torque.
Back Seal.	Allows spindle seals to be replaced under pressure.
Cap screws in Stem.	Minimizes chance of tampering.
Stainless Steel Stem.	High resistance to corrosion, wear & tear
Clear Bore.	Unobstructed flow, no seating recess to collect dirt etc.
Unique compression sealing system with no wedging action.	Friction free sealing thus no scuffing or abrasion of the wedge.
Stem Cap.	Shear device to prevent overtorque by ring key and bar.



FLANGE DRILLING

To suit BS EN1092-2 PN16/25 etc. (former standard BS4504 PN16/25)

PROTECTIVE COATING

Epoxy coating material, approved for potable water service to BS6920

MATERIAL

COMPONENT	STANDARD
Body, Wedge Gate, Bonnet, Gland, Stem Cap, Handwheel	Ductile Iron (Spheroidal Graphite cast iron) BSEN1563 Grade EN-GJS-500/7
Seat and Gate Sealing	EPDM BSEN681-1 and BS6920
Stem	Stainless Steel Grade 431S29 - BS EN10088-1.4057
Stem Nut	Copper Alloy BS EN1982 CC331G
Assembly & Fixing Bolts/Studs	Stainless Steel Grade 304 BS EN10088-1.4301

TESTING

All Valves are machine tested on each face to the nominal pressure and on the body to the test pressure in accordance with BSEN1074-1&2, BSEN12266-1, BS5163:1986, BS5150:1990.

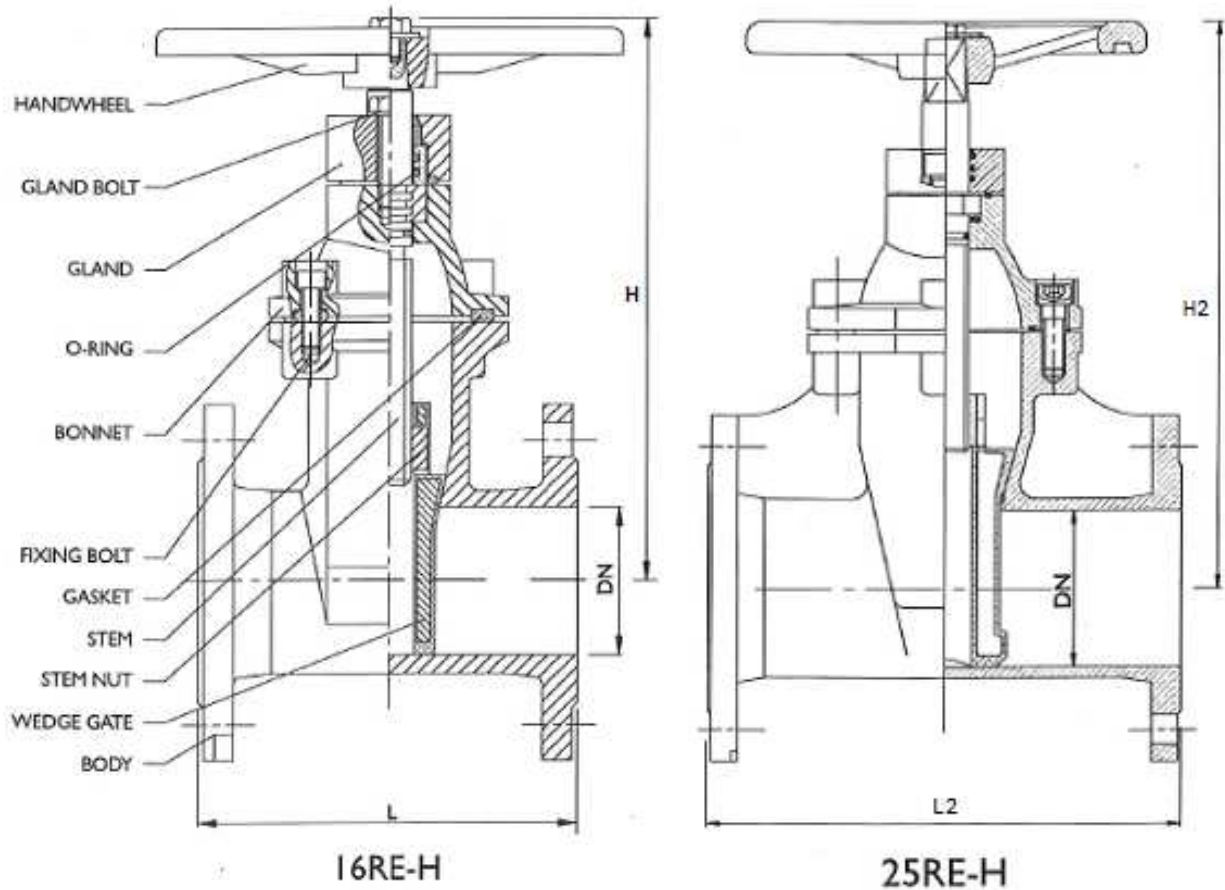
Working Pressure	Body Test Pressure	Seat Test Pressure
16 Bar	24 Bar	17.6 Bar
25 Bar	37.5 Bar	27.5 Bar

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HAND WHEEL TYPE



16RE – H (PN16)

DN	50	65	80	100	150	200	250	300	350	400
L	178	190	203	229	267	292	330	356	381	406
H	249	274	400	420	527	630	707	810	776	842
Kg	14	20	22	27	50	72	108	152	312	341

Dimensions in mm

25RE – H (PN25)

DN	50	65	80	100	150	200	250	300
L2	216	241	283	305	403	419	457	502
H2	272	317	335	357	446	530	635	718
Kg	16	22	25	29.7	53	96	148.5	198

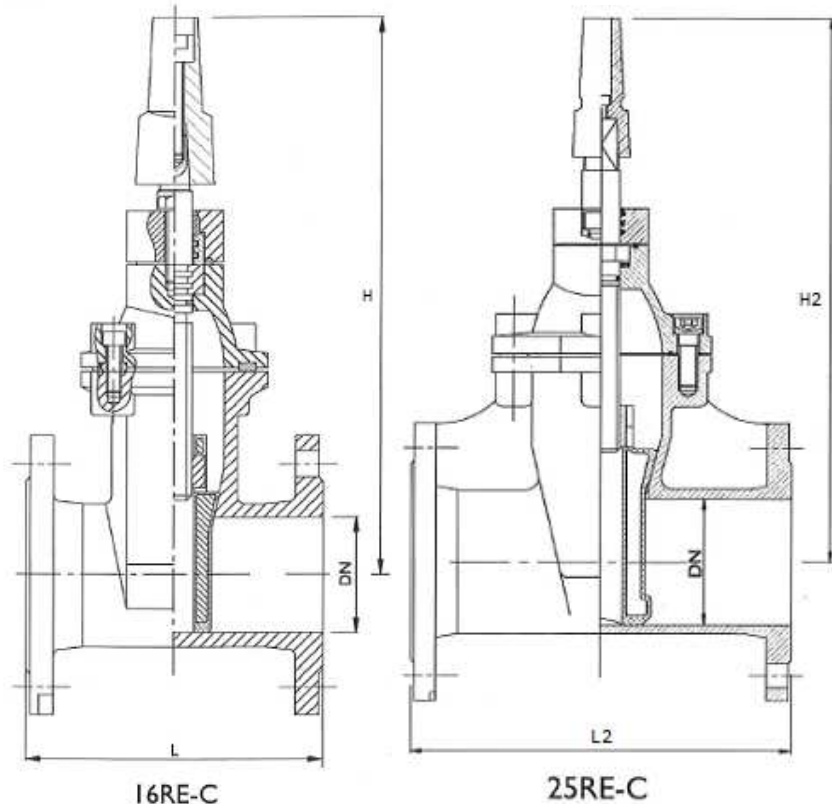
Dimensions in mm

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STEM CAP TYPE



16RE – C (PN16)

DN	50	65	80	100	150	200	250	300	350	400
L	178	190	203	229	267	292	330	356	381	406
H	316	341	420	440	490	574	718	810	830	896
Kg	13.5	17	21	26	48	70	104	148	305	334

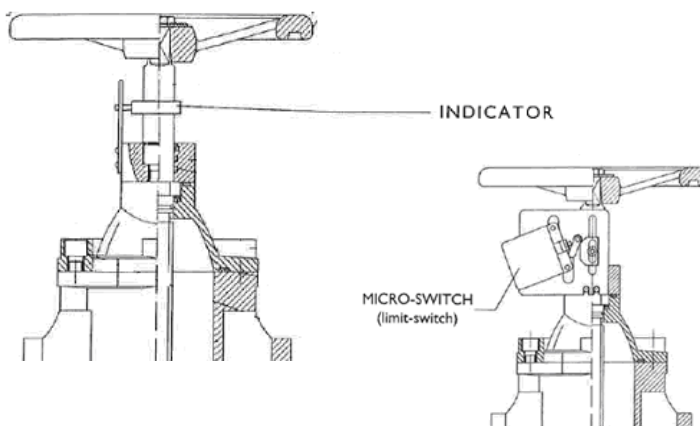
Dimensions in mm

25RE – C (PN25)

DN	50	65	80	100	150	200	250	300
L2	216	241	283	305	403	419	457	502
H2	344	381	399	421	512	598	701	784
Kg	15	19	21	27.5	49	92	143	195

Dimensions in mm

ACCESSORIES



Indicators

Where it is necessary to have a visual indication of the gate position this is usually provided by threading the upper part of the stem and adding an indicator plate or post. Indicators are more often asked for when handwheel operation is required. Fire protection systems sometimes use an indicator combined with micro-switches for use in alarm systems.

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