

VALVEMAKER

Metal Seated Gate Valve

METAL SEATED

BS EN 1074-1&2 / BS 5163-1&2



For Waterworks/Drainage/Sewage Purpose & General Use

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Metal Seated Gate Valve

SPECIFICATION

The Valvemaker Gate Valve complies fully with the requirements of BS EN1074 and BS 5163. These hand wheel type and stem cap type gate valves are used in upper ground and underground Service respectively which are suitable for waterworks, drainage, sewage, sea water, potable water, alkalies acids, delute acids and etc.

DESIGN

- Body – minimal height for strength and rigidity
- Seats – hydraulically pressed into body
- Spindle – non-rising type with strong square thread
- Flange Drilling BS1092-2 PN16/25 (BS4504)

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, Disc, Bonnet, Gland, Stem Cap, Handwheel	Ductile Iron BS EN1563 GJS500/7
Body Seat Rings and Disc Seat Rings (Trim)	Copper Alloy BS EN1982 C C 491K
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 BS5163:2004, BS EN1074.

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



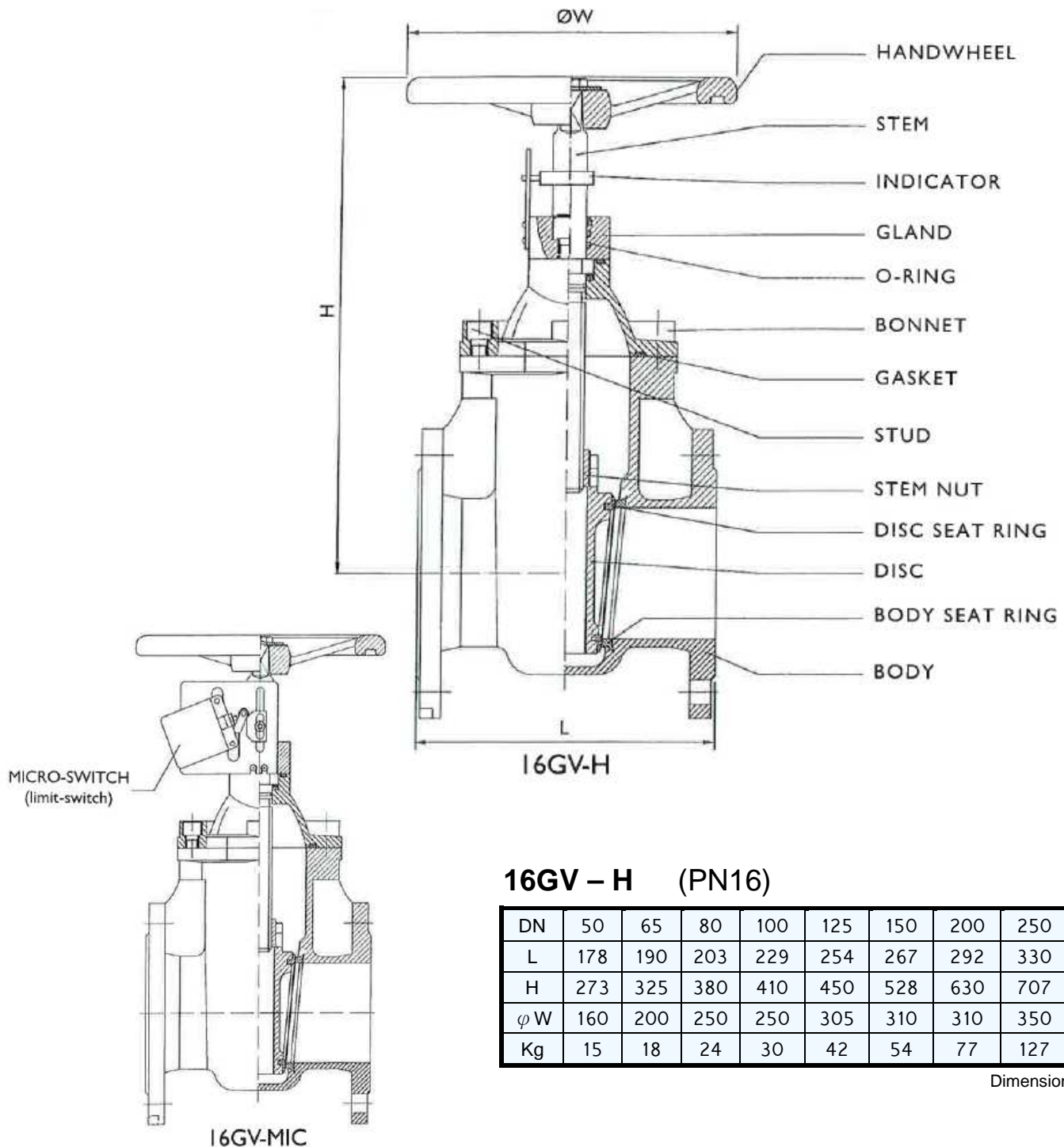
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HAND WHEEL TYPE

- Hand Wheel Operation
- Upper ground service
- Position Indicator available and is easily removed or replaced if needed.
- Micro-switch is commonly used on gate valves for fire sprinkler systems and other water pipe systems, where it is necessary to know if a valve has been opened or shut.



16GV – H (PN16)

DN	50	65	80	100	125	150	200	250	300
L	178	190	203	229	254	267	292	330	356
H	273	325	380	410	450	528	630	707	810
φ W	160	200	250	250	305	310	310	350	350
Kg	15	18	24	30	42	54	77	127	172

Dimensions in mm

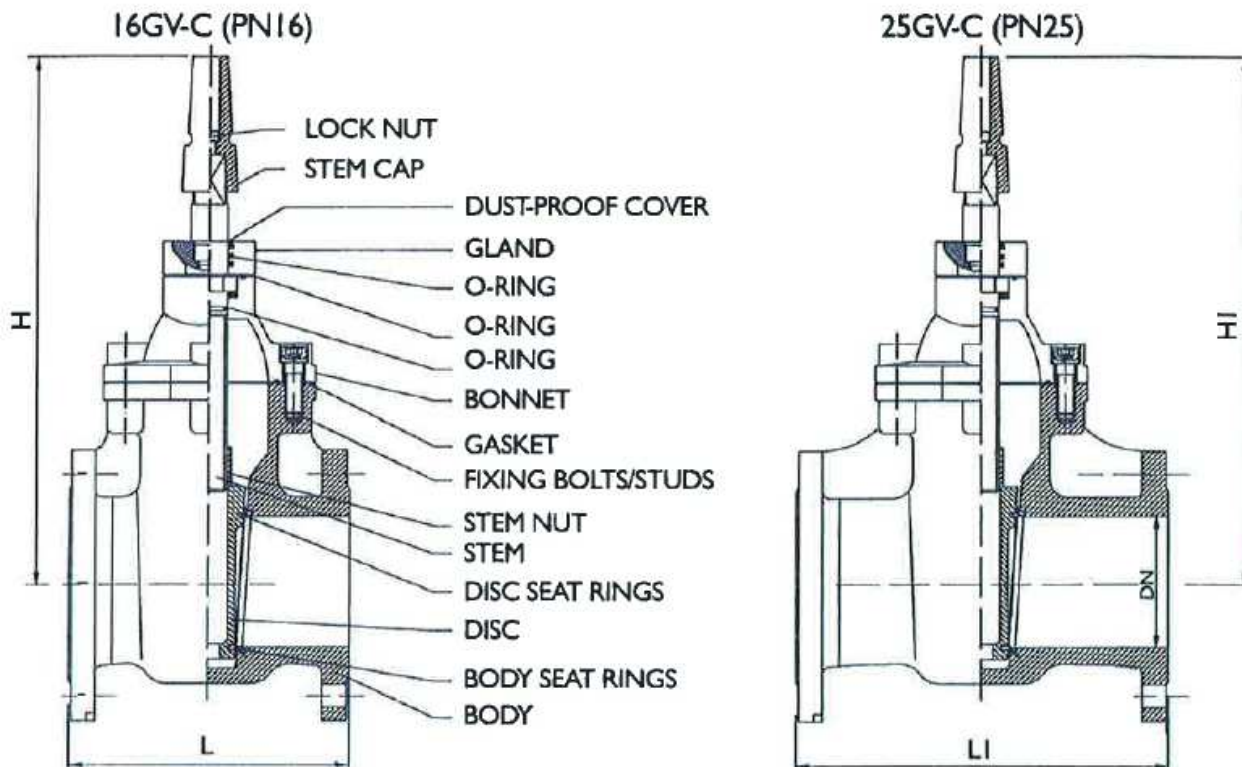
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STEM CAP TYPE

- Stem Cap Operation
- Underground Service
- Gland Bolt Housing arranged for easy removal of the bolts
- CLOSE Clockwise
- Shear device to prevent overtorque



16GV – C (PN16)

DN	50	65	80	100	125	150	200	250	300
L	178	190	203	229	254	267	292	330	356
H	326	364	420	450	490	540	630	707	800
Kg	14	17	23	29	50	52	75	123	174

Dimensions in mm

25GV – C (PN25)

DN	50	65	80	100	125	150	200	250	300
L1	216	241	283	305	381	403	419	457	502
H1	326	364	386	420	490	517	604	705	785
Kg	22	30	36	46	65	76	142	228	313

Dimensions in mm

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