



Producto distribuido por

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# Cryogenic Stainless Steel Manual Gate Valve

Bolted Bonnet - Extended Stem  
DN40 - DN100 (1½" - 4")

The Stainless Steel uni-directional extended stem gate valve has a bolted bonnet, integral soft seat and bronze internals. Available with Butt Weld ends, the valve has a wedge seat design for tight shut off designed to seal on downstream seat only in order to prevent liquid lock. The bolted bonnet allows for simple site maintenance with easy access to the serviceable parts of the valve.

All valves are degreased for oxygen duty, assembled in clean room conditions and pressure tested prior to dispatch.

## Maximum Working Pressure (MWP)

Subject to end connections

Up to 40 bar (580 psi) at -196°C to +65°C

## Features

- Replaceable body seat that is part of the headwork assembly (excluding DN40)
- Precision investment cast body - smooth surface finish
- Lapped seat and PTFE seal ensure a tight shut off at all time
- Lightweight design gives excellent thermal characteristics
- Anti-blow out stem and one-piece high strength stem design for operator safety
- Long life, low torque stem thread
- Screwed and welded high strength extension tube and bonnet joints
- Lightweight ergonomic handwheel
- Quick removal of headworks allows fast/easy maintenance

## Technical

- Designed and engineered for use with Group 1 gases.
- Designed and manufactured in accordance with ASTM B31.1, BS EN 1626 and BS ISO 21011
- Optional full material traceability backed by BS EN 10204 3.1/3.2 certification.

CE Marked according to the Pressure Equipment Directive

Please contact us for other options.



DN40 Stainless Steel Gate Valve with Butt Weld Ends

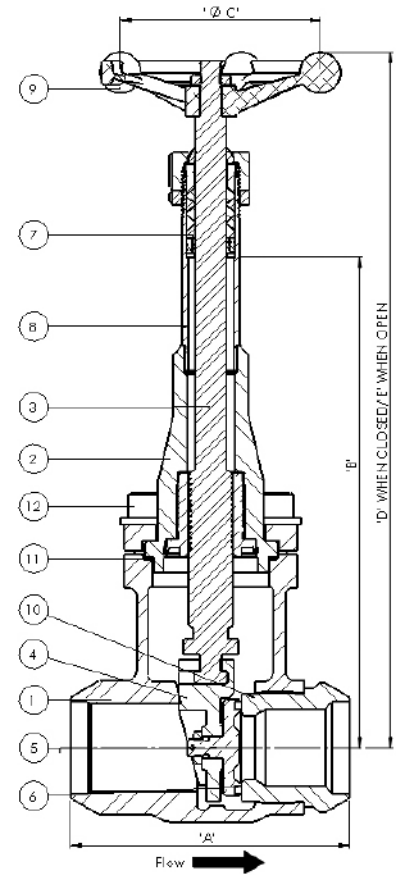


DN50 Gate Valve with Butt Weld Ends

DN80 Gate Valve with Butt Weld Ends

## Materials

	<b>Stainless Steel</b>
1. Body	Stainless Steel ASTM A351 CF8M
2. Cover	Stainless Steel ASTM A351 CF8M
3. Stem	Stainless Steel BS EN 10088-3 1.4401
4. Wedge	Stainless Steel ASTM A351 CF8M
5. Disc	Phosphor Bronze
6. Disc/Seat Seal	Virgin PTFE
7. Packing Assembly	HT Brass/Virgin PTFE
8. Extension Tube	Stainless Steel ASTM A312 TP304L
9. Handwheel	Aluminium
10. Seat	Stainless Steel BS EN 10088-3 1.4401
11. Bonnet Gasket	Sigma 511
12. Fasteners	Stainless Steel BS6105 A2/A4 Gr.70



## Specifications

Size	Unit	DN40 1½"	DN50 2"	DN65 2½"	DN80 3"	DN100 4"
A	mm	130	140	150	150	229
B	mm	230	300	300	400	400
C	mm	102	146	146	146	146
D	mm	326	396	389	496	496
E	mm	363	456	464	586	586
Cv	US GPM	132	240	380	560	560
Weight	kg	5.3	10.4	12.9	18.2	20.5

## How to Order

Part Number	Valve Size Diameter Nominal (DN)	Connection Type	Stem Length (mm)
CMC70B1D3S00	DN40	Butt Weld Schedule 10	230
CMC70STED3S00		Socket Weld	
CMC80B1D6S00	DN50	Butt Weld Schedule 10	300
CMC80STED6S00		Socket Weld	
CMC90B1D4S00	DN65	Butt Weld Schedule 10	300
CMC90STED4S00		Socket Weld	
CMCA0B1D7S00	DN80	Butt Weld Schedule 10	400
CMCA0STED7S00		Socket Weld	
CMCB0B1D7S00	DN100	Butt Weld Schedule 10	400
CMCB0STED7S00		Socket Weld	

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