



Producto distribuido por

SDM
Oil & Gas

 (+51) 999 012777  ventas@sdm.pe

www.sdm.pe | Av. Galvez Barrenechea 274. San Isidro

Cryogenic Stainless Steel Actuated Gate Valve

Bolted Bonnet - Pneumatic Tyre Design
Fail to Close

DN40 - DN100 (1½" – 4")

The Stainless Steel uni-directional cryogenic emergency shut off valve has a bolted bonnet and integral pneumatic actuator. The valve is of fail to close design with automatic operation. The valve is equipped with a manual override system in case air has been lost and an emergency discharge is required. The valve has an integral 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
- Screwed and welded high strength extension tube and bonnet joints
- Quick removal of headworks allows fast/easy maintenance
- 316 Stainless Steel construction with bronze internal components
- Manual override hand wheel available on request

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



DN80 Actuated Gate Valve with Butt Weld Ends without Guard



DN80 Actuated Gate Valve with Butt Weld Ends with Guard



DN40 Gate Valve with Butt Weld Ends



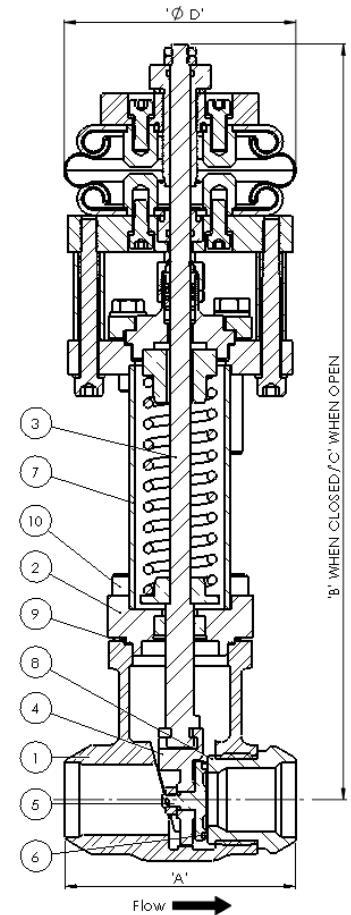
DN50 Gate Valve with Socket Ends

Materials

	Stainless Steel
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. Extension Tube	Stainless Steel ASTM A312 TP304L
8. Seat	Stainless Steel ASTM A312 TP304L
9. Gasket	Sigma 511
10. 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	450	495	502	535	535
C	mm	490	540	567	615	615
D	mm	165	240	240	240	240
Cv	US GPM	132	240	380	560	560
Weight	kg	13	19	21.7	27.1	30



How to Order

Part Number	Valve Size Diameter Nominal (DN)	Connection Type	Stem Length (mm)	Options
CMD70B1D6STY	DN40	Butt Weld Schedule 10	300	Without guard
CMD70STED6STY		Socket Weld		With guard
CMD70B1D6STC		Butt Weld Schedule 10		Without guard
CMD70STED6STC		Socket Weld		With guard
CMD80B1D8STY	DN50	Butt Weld Schedule 10	500	Without guard
CMD80STED8STY		Socket Weld		With guard
CMD80B1D8STC		Butt Weld Schedule 10		Without guard
CMD80STED8STC		Socket Weld		With guard
CMD90B1D8STY	DN65	Butt Weld Schedule 10	500	Without guard
CMD90STED8STY		Socket Weld		With guard
CMD90B1D8STC		Butt Weld Schedule 10		Without guard
CMD90STED8STC		Socket Weld		With guard
CMDA0B1D8STY	DN80	Butt Weld Schedule 10	500	Without guard
CMDA0STED8STY		Socket Weld		With guard
CMDA0B1D8STC		Butt Weld Schedule 10		Without guard
CMDA0STED8STC		Socket Weld		With guard
CMDB0B1D8STY	DN100	Butt Weld Schedule 10	500	Without guard
CMDB0STED8STY		Socket Weld		With guard
CMDB0B1D8STC		Butt Weld Schedule 10		Without guard
CMDB0STED8STC		Socket Weld		With guard

Please contact us for other options.