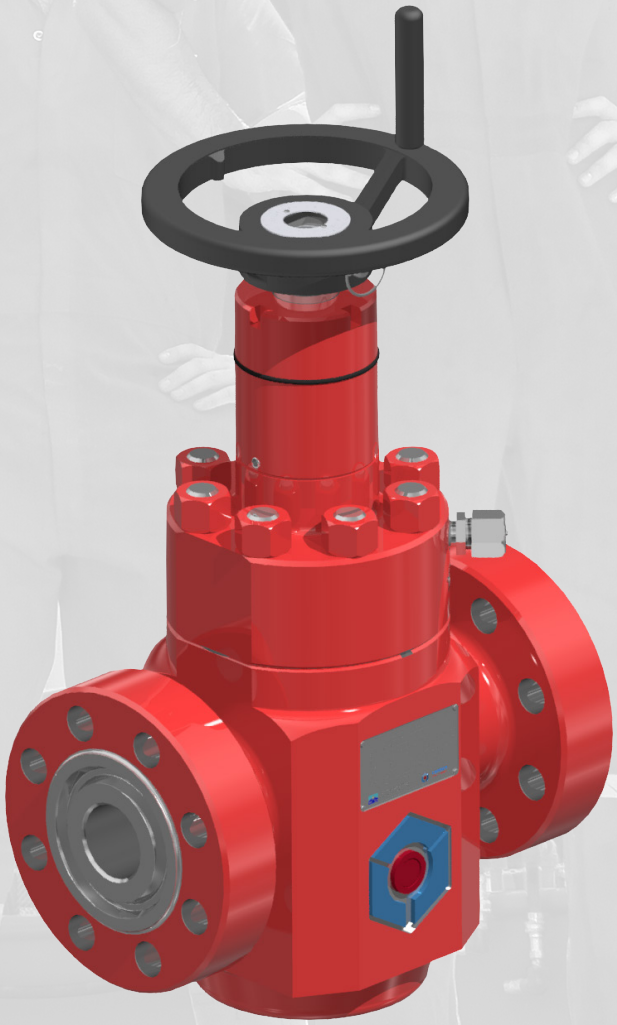
CANSCO™
WELL CONTROL

DVM02

MANUAL GATE VALVE | DVM0205



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FEATURES AND BENEFITS

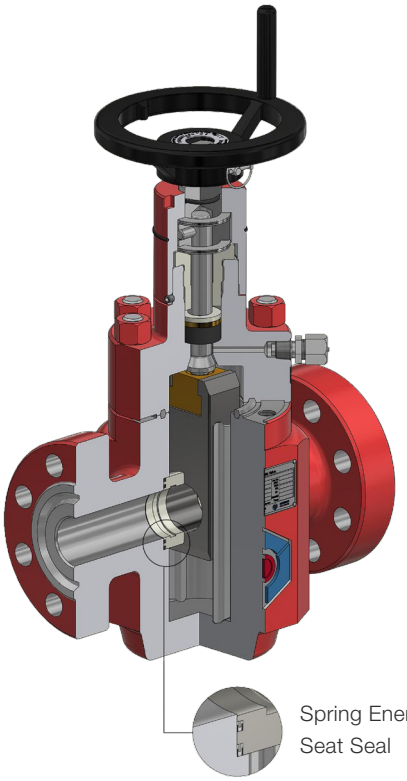
The CANSCO DVM series manual gate valve is a flanged through-conduit isolation valve built for the most demanding drilling applications. Its one-piece solid slab style gate consistently delivers outstanding sealing performance throughout a wide range of conditions, bore sizes, and working pressures, including corrosive and abrasive fluid environments.

The slab gate design effects a metal to metal seal on the flow stream and its simple, straightforward design makes it easy to maintain low and high-pressure sealing situations where contaminates could pose a sediment problem. Primarily for sour gas and oil where resistance to Hydrogen Sulphide embrittlement is required, the DVM series is also suitable for other chemicals, products or hydrocarbons when H2S is present.

The DVM series manual gate valves are standardised in design and have a high percentage of parts interchangeability to provide simple and efficient management and maintenance of gate valve fleets, and deliver optimal lifecycle management integrity.

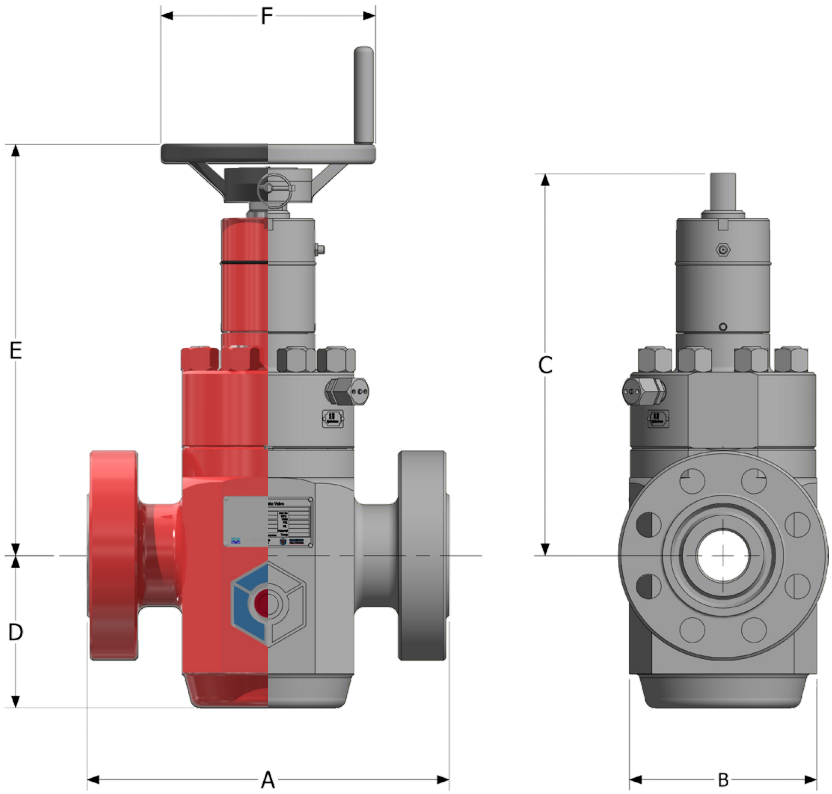
Other features of the DVM manual gate valve:

- Forged body and bonnet
- Full bore
- Bi-directional sealing design
- Positive Metal to Metal sealing (gate to seat and seat to body)
- Spring energised stem and seat seals
- Non rising stem and stem backseat
- Compliant with NACE MR-01-75 requirements
- API 6A Monogrammed



DVM - MANUAL GATE VALVE SPECIFICATIONS

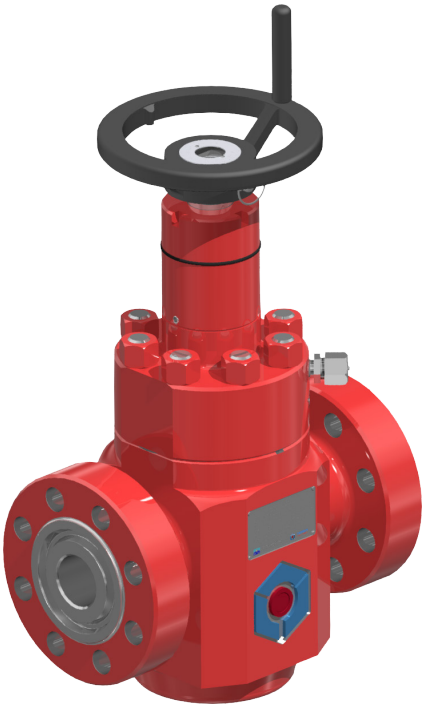
Nominal Size (in)	Working Pressure (psi)	API Ring Gasket	Dimensions in [mm]						Weight lbs [kg]	Number of Turns to Open / Close Valve
			A	B	C	D	E	F		
2-1/16	5,000	R-24	14.61 [371]	6.93 [176]	15.41 [391.50]	6.14 [156]	16.59 [421.40]	8.66 [220]	260.15 [118]	13



MANUAL GATE VALVE TECHNICAL SPECIFICATION

Valve Type	Bomco, Cansco DVM - Manual Operation
Valve Description	Through conduit isolation valve. Forged steel body and bonnet. Slab gate, bi-directional sealing design. Positive Metal to Metal Sealing (gate to seat and seat to body). Spring energised stem and seat seals, non-rising stem and stem backseat.
Valve Design	API 6A 21st Edition and NACE MR-01-75
Valve Specification	PU, EE-NL, PSL 3G, PR 2

SIZE	
Model	DVM0205
End Connection Size	2-1/16" 5K, R-24 / RX-24
End Connection Type	API Type 6B Flange
Bore Diameter	2.0625"
Face to Face Dimension	14.61"
Approximate Weight	118kg



MATERIAL	
Body	Forged AISI 4130
Bonnet	Forged AISI 4130
Body and Bonnet RTJ's	316 SS Inlay
Studs	ASTM A193 GR-B7, Zinc Coated
Nuts	ASTM A194 GR-2H, Zinc Coated
Grease	Molybdenum Disulphide (MOS2) Grease

OPERATING PARAMETERS	
Working Pressure	5,000psi
Test Pressure	1.5 x Rated WP
API Temperature Range	P to U
	(-20°F to + 250°F)
API PR	2
API PSL	3G

TRIM		
API Material Class		EE
NACE Limits	P-U	No Limits (EE-NL) *
Valve Trim Material	Gate	AISI 410 + Ni60
	Seat	AISI 410 + Co12M Cobalt Based Alloy
	Stem	Alloy 718
Valve Trim Packing Material		PTFE c/w Spring Energiser
Valve Trim Design		Through Conduit with Metal to Metal Seal

* Material Class EE is suitable for sour service and has no limit (designated 'NL') on the exposure to H2S as defined by API 6A and NACE MR-01-75.

INTEGRITY
ON EVERY WELL

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