



CANSKO™
WELL CONTROL

DVH-S

HYDRAULIC GATE VALVE

DVH-S 0305



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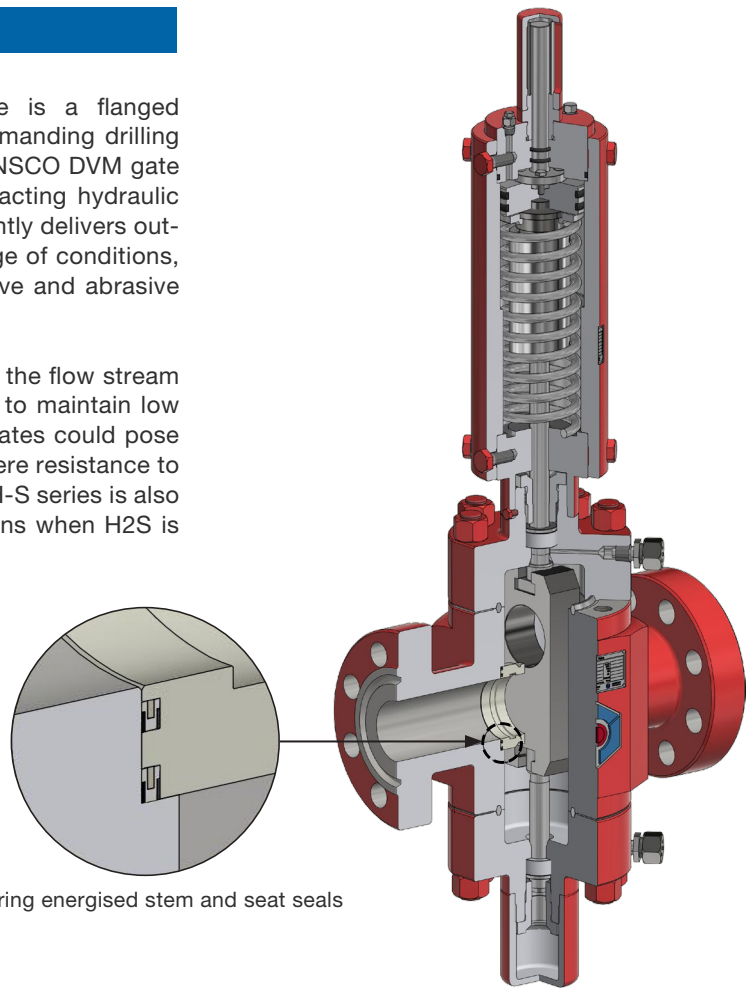
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FEATURES AND BENEFITS

The CANSCO DVH-S series hydraulic gate valve is a flanged through-conduit isolation valve built for the most demanding drilling applications. The CANSCO DVH-S combines the CANSCO DVM gate valve technology with a choice of single or double acting hydraulic actuators. 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 contaminants could pose a sediment problem. Primarily for sour gas and oil where resistance to Hydrogen Sulphide embrittlement is required, the DVH-S series is also suitable for other chemicals, products or hydrocarbons when H₂S is present.

The DVH-S is fitted with a balancing stem to operate together with the hydraulic actuator to provide reliable control through the entire stroke of the valve. In the event of loss of hydraulic power the DVH-S fitted with a single acting hydraulic actuator will fail-safe to the close position under spring power.



Spring energised stem and seat seals

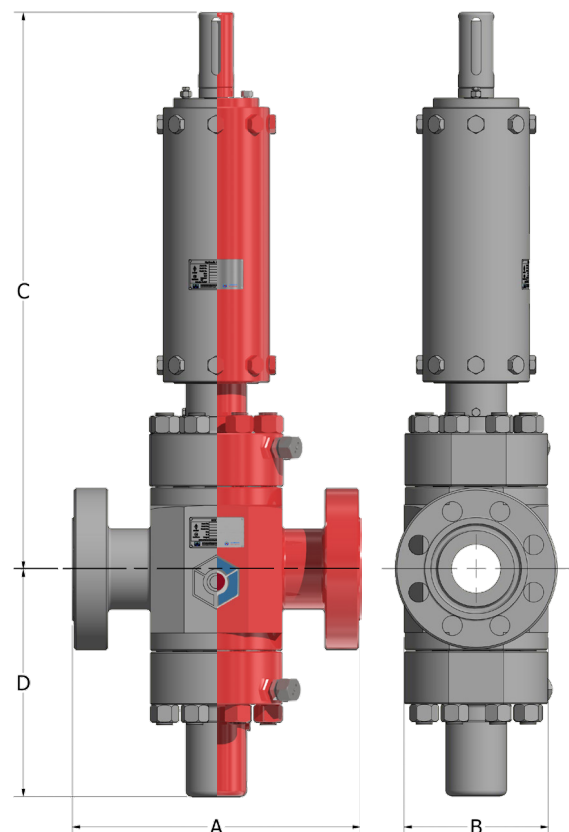
Other Features of the DVH-S Hydraulic Gate Valve:

- 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
- Balanced stem and stem backseat
- Compliant with NACE MR-01-75 requirements
- API 6A Monogrammed

DVH-S - HYDRAULIC GATE VALVE SPECIFICATIONS

Nominal Size (in)	Working Pressure (psi)	API Ring Gasket
3 1/8	5,000	R-35

Dimensions in [mm]				Weight lbs [kg]
A	B	C	D	
18.62 [472.90]	8.50 [216]	35.73 [907.50]	14.74 [374.50]	584.23 [265]



HYDRAULIC GATE VALVE TECHNICAL SPECIFICATION

Valve Type	Bomco, Cansco DVH-S - Hydraulic 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. Single acting hydraulic actuators.
Valve Design	API 6A 20th Edition and NACE MR-01-75
Valve Specification	PU, EE-NL, PSL 3G, PR 2

SIZE

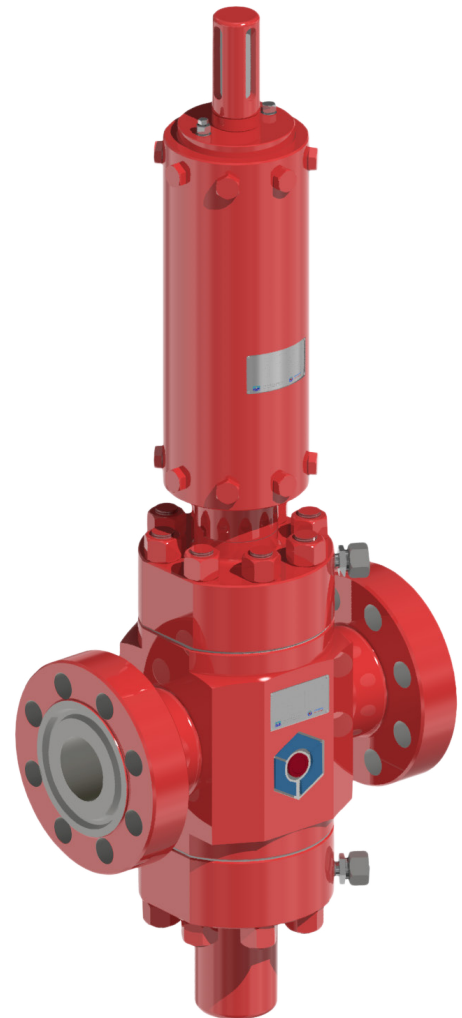
Model	DVH-S0305
End Connection Size	3-1/8" 5K, R-35 / RX-35
End Connection Type	API Type 6B Flange
Bore Diameter	3.0125"
Face to Face Dimension	18.62"
Approximate Weight	265 kg

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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