

Model S200M

Hydraulic Actuated Gate Valve

SAYATVA'S Model S200M Hydraulic actuated gate valve which is modified design of Model S200 valve offers various features making it suitable for drilling and production applications in oil and gas services up to 15,000 PSI operating pressure.

Reliability:

The **Model S200M** valve has a track record of proven performance in the field, indicating its reliability.

Bi-directional Sealing:

The valve is designed to provide sealing in both directions, ensuring effective isolation. This feature is particularly beneficial in applications where flow reversal may occur or when the valve needs to block fluid in either direction.

Body without Penetrations:

The valve body has no penetrations. Grease injection fitting is located on the bonnet, on the downstream side of the backseat for safety.

Floating Slab Gate and Seats:

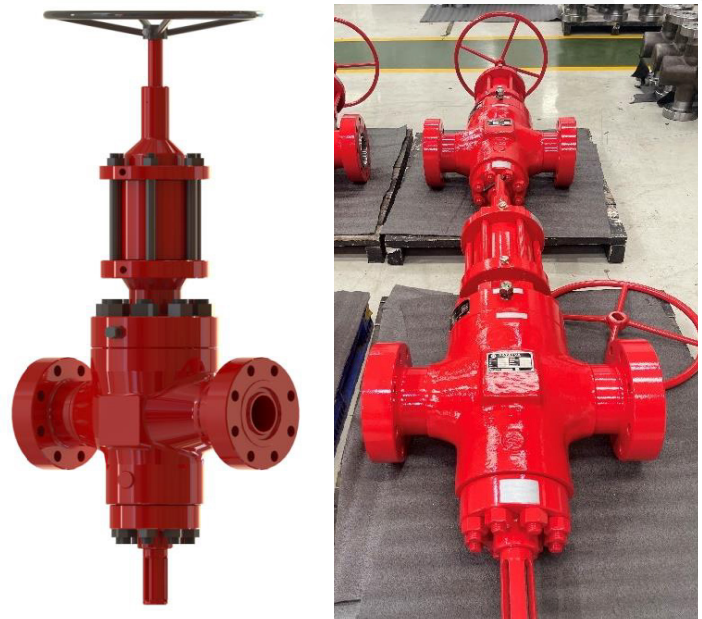
T-Nut and T-Slot Gate design produces a positive pressure energized sealing. Body pressure equalizes across the seat & eliminating body erosion in the seat pockets.

Hydraulic Actuator:

The double acting Hydraulic actuator allows the valve to be controlled fast and remotely by means of a compact control panel connected at distance. In case of not having hydraulic pressure source, the valve has a manual override system handwheel to close the valve with no excessive torque.

Application:

- Drilling Application
- Production Application
- Well Head & Christmas Tree equipment
- Choke & Kill manifold
- MPD Manifolds
- Mud applications



Features & Benefits:

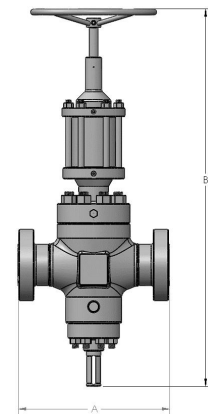
- Bi-directional valve
- Single Seat Design
- Floating gate for better sealing
- Back seat as standard to meet API 6A requirement
- True low-pressure sealing
- Metal to metal sealing provides extended service life between maintenance periods
- No elastomers used for sealing
- Designed for extreme pressure and temperature
- Balancing stem helps in fail as is condition
- Downstream sealing with reductant seal
- Various trims are available to meet different operating conditions
- Valve opens and closes without requiring excessive torque
- Easy Assembly and Disassembly
- Low Maintenance

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Technical Specification:	
Inlet / Outlet Connections	2-1/16" to 7-1/16"
API Pressure Rating (PSI)	2000, 3000, 5000, 10000, 15000
Design Standard	API Spec 6A Latest Edition
Material Class	API Material class DD up to HH-NL - The Valve body / bonnet with forged construction - The Valve body with cast construction as an option - API 75K material, impact tested
Temperature Range	-50 deg. F to 350 deg. F
PSL	PSL 1, PSL 2, PSL 3 & PSL 3G
PR	PR 1, PR 2, PR2F
Service Condition	NACE MR0175 / H2S Service.
Trim options	Single Seat design with Gates and Seats are Hard Faced to Tungsten Carbide (TC). Gate and Seat can be nitrided or QPQ as an Option.
Actuation	Hydraulic Actuation
Bolting	As per API 20E Monogrammed (BSL 1, BSL 2, BSL 3)
Inlay Requirements	Alloy 625 inlay for ring grooves, seat pockets. Bonnet grooves (upon request)
Flange Face to Face Reference	As per API 6A latest Edition
Monograms	As per API 6A latest Edition
Certifications / Type Approval	Additional Third-party certification available upon request
Aramco Requirements	Valves in compliance with Aramco Well Control 6 th Edition are available upon request

Valve Dimensions:			
Valve Size	Face to Face (A) (±0.06)	Height (B) (±0.04)	Weight (lbs)
5000 PSI			
2-1/16"	14.62"	45.00"	325
3-1/8"	18.62"	45.00"	495
4-1/16"	21.62"	62.00"	750
10000 PSI			
2-1/16"	20.50"	46.00"	415
3-1/16"	24.38"	55.00"	680
4-1/16"	26.38"	66.00"	1100
15000 PSI			
2-1/16"	19.00"	50.00"	490
3-1/16"	23.56"	74.00"	1280



Other sizes dimension details are available upon request. For further questions or quotations requests, contact sales@sayatva.com.