

# Model S400 (Demco Style)

## Mud Gate Valve

SAYATVA'S Model S400 is a field—proven valve that offers better performance for the rigorous requirements for drilling and production applications in the oilfield applications.

### Reliability and Interchangeability:

The **Model S400** valve has a track record of proven performance in the field, indicating its reliability. Additionally, its design allows for interchangeability, meaning it can be easily replaced or substituted with another valve of the same type or model.

### 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.

### Drop-Tight Sealing:

Exclusive seat design provides drop-tight shut-off which is accomplished by metal to rubber sealing.

### In-Line field repairability:

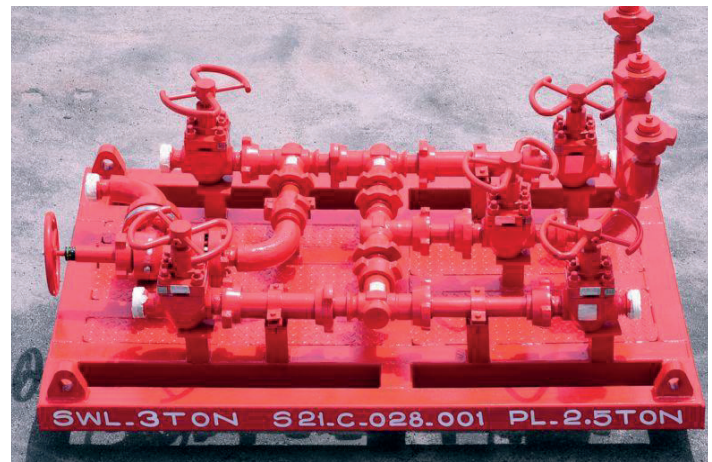
For internal parts inspection, or routine maintenance, the bonnet assembly can be quickly removed from the valve body. Parts are replaced as needed, the bonnet assembly re-installed, and the valve is tested and returned to service.

### Open and close with ease condition:

Double acting threads and rising stem design mean that opening and closing the gate happens quickly, and with minimal effort to rotate the handwheel.

### Application:

- Standpipe Manifolds
- Production Applications
- Kill Manifold
- Bleed Lines applications
- MPD Manifolds
- Mud applications
- Well Heads



### Features & Benefits:

- Bi-directional valve
- High Performance Elastomer seat design
- Designed for Standpipe manifold systems
- Designed for extreme pressure and temperature
- Used in Abrasive drilling mud applications
- 100% interchangeable with other OEMs Demco style valves
- Easy Assembly and Disassembly
- Low Maintenance

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Technical Specification:	
Inlet / Outlet Connections	2" to 5"
API Pressure Rating (PSI)	Up to 7500 PSI
Design Standard	API Spec 6A Latest Edition
Material Class	API Material class DD up to HH-NL - The valve body with cast construction - The valve body / bonnet with forged construction - API 75K material, impact tested
Temperature Range	-20 deg. F to 250 deg. F
PSL	PSL 1, PSL 2, PSL 3
PR	PR 1, PR 2
Service Condition	NACE MR0175 / H2S Service.
End Connections	Weld End, Flanged end, Hammer union end and screwed end
Trim options	- Seat with Rubber material for better sealing - Gate and wear ring shall be nitrided or QPQ
Actuation	Manual Handwheel / Hydraulic Actuated
Bolting	As per API 20E Monogrammed (BSL 1, BSL 2, BSL 3)
Inlay Requirements	Alloy 625 inlay for ring grooves (upon request)
Face to Face Reference	As per Sayatva's Standard
Certifications / Type Approval	Additional Third-party certification available upon request

Dimensions and BOM details are available upon request.  
For further questions or quotations requests, contact [sales@sayatva.com](mailto:sales@sayatva.com).

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