

Model H-Series

Hydraulic Actuator

SAYATVA'S MODEL H-SERIES Hydraulic Double acting actuator offers various features making it suitable for API 6A Valves and chokes for drilling and production applications in oil and gas services.

Hydraulic Actuator:

The double acting Hydraulic actuator allows the valve to control 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.

Design and Construction:

Hydraulic actuators are designed and constructed to withstand the harsh operating conditions of oil and gas wells, including high pressures and temperatures. They are typically rugged and durable to ensure reliable operation in demanding environments.

Safety and Reliability:

Given the importance of well control and safety in the oil and gas industry, hydraulic actuators designed to API 6A specifications are subject to strict quality and performance standards to ensure they operate safely and reliably.

Remote Operation:

Hydraulic actuators in API 6A equipment are often operated remotely, allowing well operators to control valves and other components from a safe distance, such as a control room or a wellsite control panel.

Features & Benefits:

- Hydraulic Double Acting with Manual override
- Operates at low hydraulic fluid pressure
- Failure of Hydraulic Power, Valve remains in the same position
- Manual locking screw that maintains the valve in the closed position without any operating pressure in the actuator
- Designed for API pressure and temperature.
- Easy Assembly and Disassembly
- Low Maintenance



Application:

- Drilling application
- Production applications
- Well Head & Christmas Tree equipment
- Choke & Kill manifold
- MPD manifolds
- Mud applications

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Technical Specification:	
Actuator for valve sizes	2-1/16" to 7-1/16"
Actuator Pressure Rating (PSI)	150, 300, 1500, 3000, 5000
Design Standard	API Spec 6A Latest Edition
Material Class	API Material class AA - The Actuator Bonnet with forged construction - The Actuator Bonnet with cast construction as an option - API 75K material, impact tested
Temperature Range	-20 deg. F to 150 deg. F
PR	PR 1, PR 2, PR2F
Service Condition	NACE MR0175 / H2S Service
Actuation & Medium	Hydraulic Actuation & Hydraulic Fluid
Fluid Properties	- Good Viscosity - Flash Point @ -30 deg. C - Density @15 deg. C: 875 kg/m3
Bolting	As per API 20E Monogrammed (BSL 1, BSL 2, BSL 3)
Inlay Requirements	Alloy 625 inlay for Bonnet grooves (upon request)
Monograms	As per API 6A latest Edition
Certifications / Type Approval	Additional Third-party certification available upon request
Aramco Requirements	In compliance with Aramco Well Control 6th Edition are available upon request

For further questions or quotations requests, contact sales@sayatva.com.