Manifold Systems
Drilling, Production, Testing

Invention
Unique Design &
Extraordinary
Craftsmanship
Choke & Kill Manifolds

WOM specializes in the manufacture of manifolds for a complete range of onshore and offshore applications. WOM manifold systems may incorporate WOM’s Magnum gate valves, check valves, plug valves, chokes, and WOM actuators depending upon the application.

WOM manifold designs meet virtually any industry requirement, including H2S environments up to 20,000 psi. Skid mounted and fully automated packages are available complete with control panels and instrumentation.
Choke & Kill Manifolds

HIGH PRESSURE CHOKE & KILL MANIFOLDS

Subsea Choke and Kill Manifold
Standpipe and Cement Manifolds

Standpipe Manifold Installed on the Sedco Express

High Pressure Choke and Kill Manifold installed on the Discover Spirit

Scorpion Defender Rig #2
WOM designs, manufactures, and supplies high pressure choke and kill manifolds, standpipe manifolds, cement manifolds, well test manifolds, and custom application manifolds.
GATE VALVES

At the heart of WOM manifold systems, is the Patented Magnum Gate Valve. WOM’s Magnum Gate Valves provide sealing reliability that is unmatched in the industry. The Patented design has been proven in hundreds of well control applications during drilling, testing, and production...onshore, offshore, and subsea. WOM also provides the Magnum Mud Gate Valve and the Model 200M Gate Valve as an alternative in many manifold systems.

WOM has developed a broad range of gate valve actuators for a variety of pressure control applications. Pneumatic and hydraulic actuators are available as Fail Open and Fail Close to match pressure control requirements and customer applications. Each type is manufactured to match valve sizes 1-13/16” through 9” with API ratings from 2,000 through 20,000 psi.

CHOKES

WOM manufacturers a wide range of low maintenance chokes. WOM chokes are manufactured to API 6A with a choice of trims, temperature ratings, and end connections to meet a variety of services. WOM drilling chokes are designed as per API 16C.

Features and Benefits

- Positive and Adjustable Chokes available in pressure ratings from 2,000 psi to 15,000 psi
- Positive and Adjustable Chokes available with inlet and outlet flanges from 2-1/16” to 5-1/8”
- Control Chokes are available with a plug & cage or an external sleeve trim. These chokes are designed to provide accurate flow control throughout its operating range.
- WOM drilling chokes offer the customer increased service life and cost savings in high pressure drilling operations especially where substantial amount of abrasive fluids are present.
- Drilling chokes are available in 1-3/4” orifice trim with 5000 to 15000 PSI pressure rating.
- The disc type choke valve is designed for MPD packages (Managed Pressure Drilling) polluted media & high pressure differentials.
- Disc type choke valve is available in 1”, 1.5” and 3” maximum orifice trim with 5000 to 15000 PSI maximum working pressure.
ACTUATORS

WOM’s Pneumatic and Hydraulic actuators are manufactured and tested to API 6A.

Liberal use of wear rings in WOM’s actuator assure a long life.

WOM’s actuator has single forged unitized top cap and cylinder for simple in-line maintenance. WOM’s quick disconnect mechanism for the actuator allows fast removal without disturbing the body / bonnet connection. Provides immediate access to stem packing.

Anti-explosive decompression seals and energized non-elastomeric lip seals are available.

Factory preset drift eliminates the need for field adjustments.
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