

# Manifold Systems

Drilling, Production, Testing

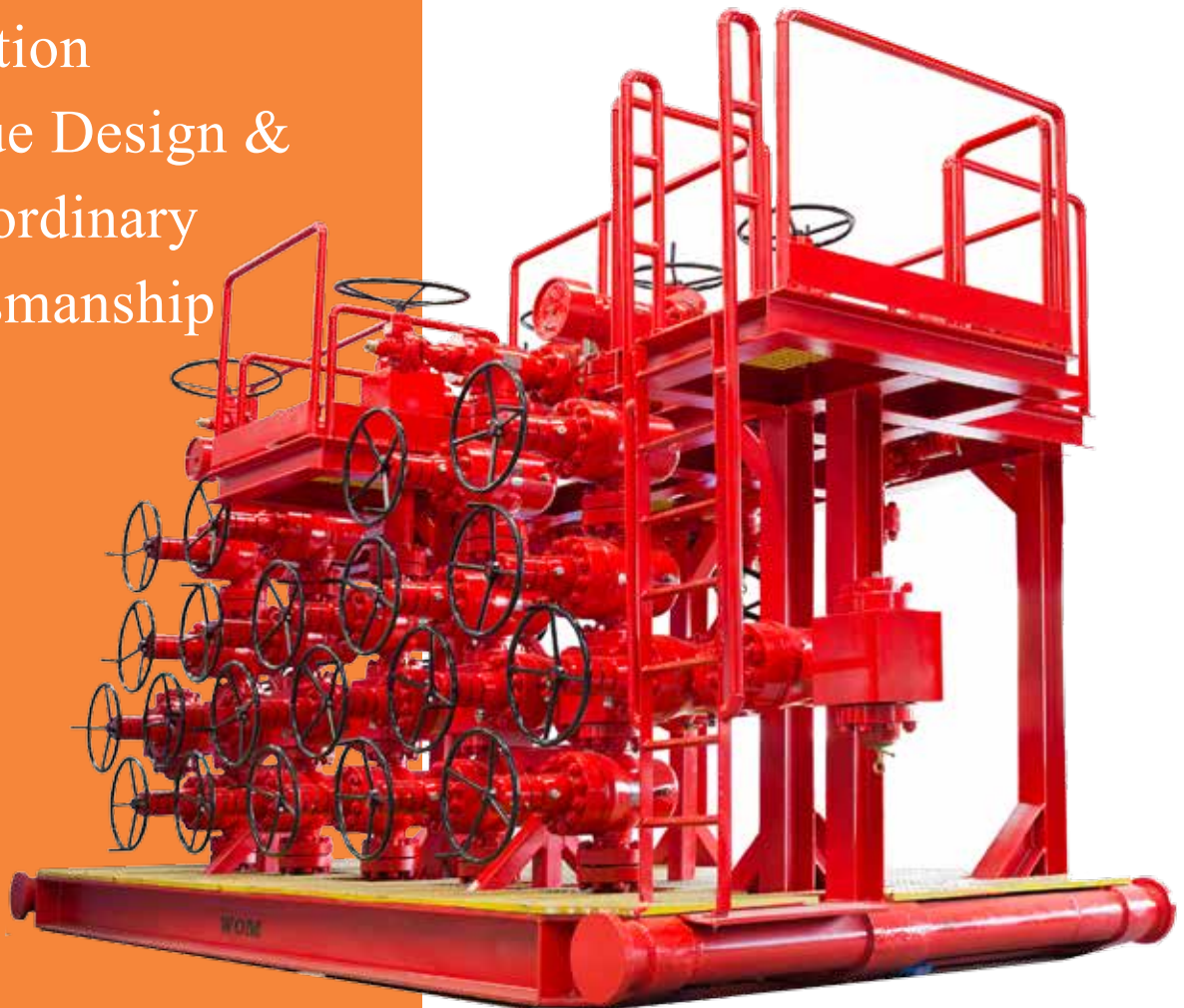


WORLDWIDE OILFIELD MACHINE  
Est. 1980



WORLDWIDE OILFIELD MACHINE

Invention  
Unique Design &  
Extraordinary  
Craftsmanship



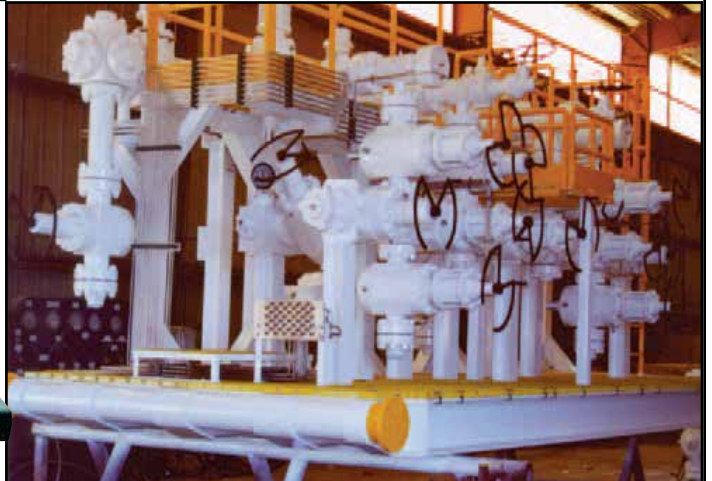
# Choke & Kill Manifolds

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.

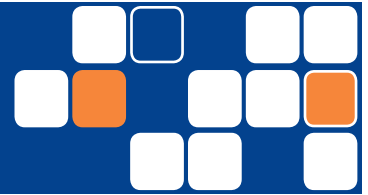
WOM manifold designs meet virtually any industry requirement, including H<sub>2</sub>S environments up to 20,000 psi. Skid mounted and fully automated packages are available complete with control panels and instrumentation.



Well Test Choke and Kill Manifold



# Choke & Kill Manifolds



## HIGH PRESSURE CHOKE & KILL MANIFOLDS



Subsea Choke and Kill Manifold

# Standpipe and Cement Manifolds



Standpipe Manifold  
Installed on the  
Sedco Express

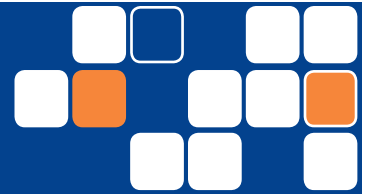


Scorpion Defender Rig #2



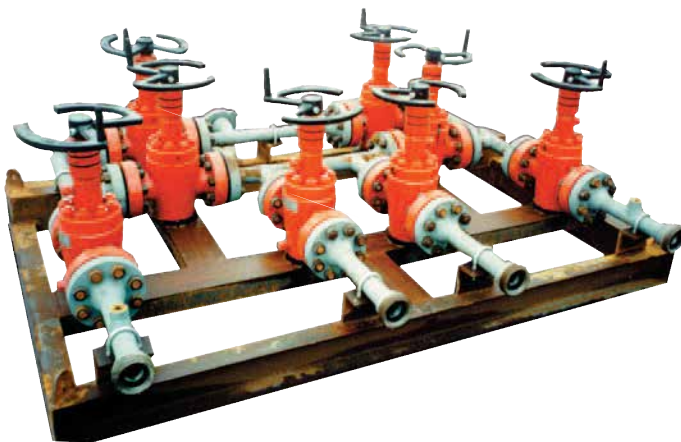
High Pressure Choke and Kill Manifold  
installed on the Discover Spirit

# Well Test Custom Design



7-1/16" 15,000 psi  
Pig Launcher/Receiver Skid  
and Manifold

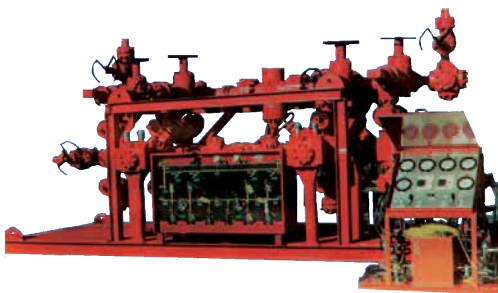
WOM designs, manufactures, and supplies high pressure choke and kill manifolds, standpipe manifolds, cement manifolds, well test manifolds, and custom application manifolds.



Standpipe Manifold



High Pressure Choke and Kill  
Manifold w/Hydraulic Control Panel



High Pressure Choke and Kill  
Manifold w/Remote Choke Console



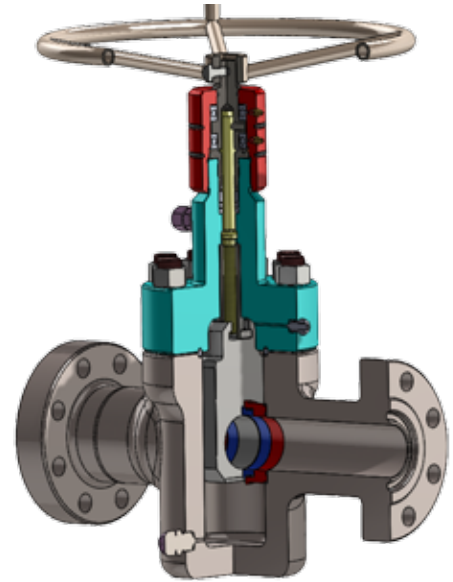
High Pressure  
Floor Choke and Kill Manifold

# Manifold System Components

## 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, the Model 200, and the Model 200M Gate Valve as an alternative in many manifold systems.

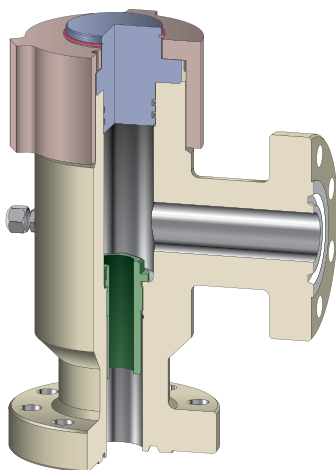
WOM has developed a broad range of gate valve actuators for a variety of pressure control applications. Pneumatic and hydraulic actuators are available as Fail Open and Fail Close to match pressure control requirements and customer applications. Each type is manufactured to match valve sizes 1-13/16" through 7-1/16" with API ratings from 2,000 through 20,000 psi.



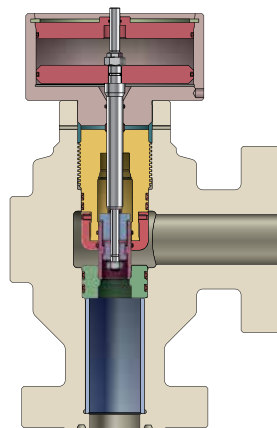
Magnum Gate Valve

## CHOKES

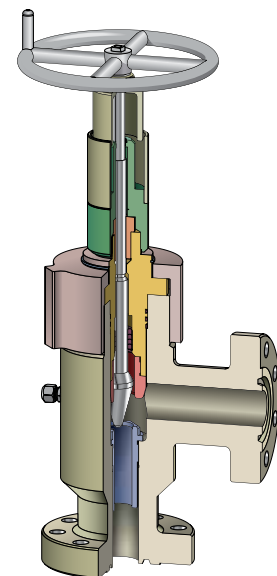
Available in sizes 2-1/16" through 4-1/16" in pressure ratings of 2,000 psi through 20,000 psi.



Positive Choke



Hydraulic Drilling Choke



Manual Adjustable Choke

# Manifold System Components



## ACTUATORS

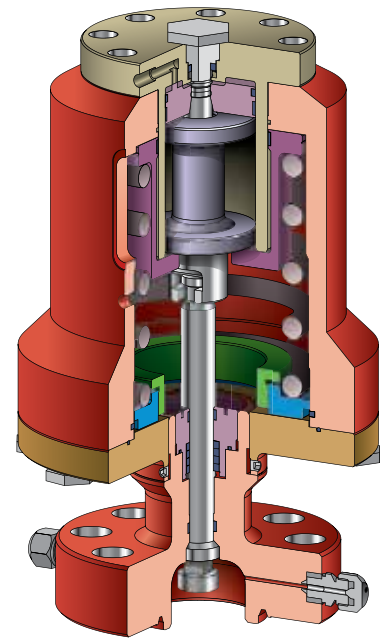
WOM's Pneumatic and Hydraulic actuators are manufactured and tested to API 6A.

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

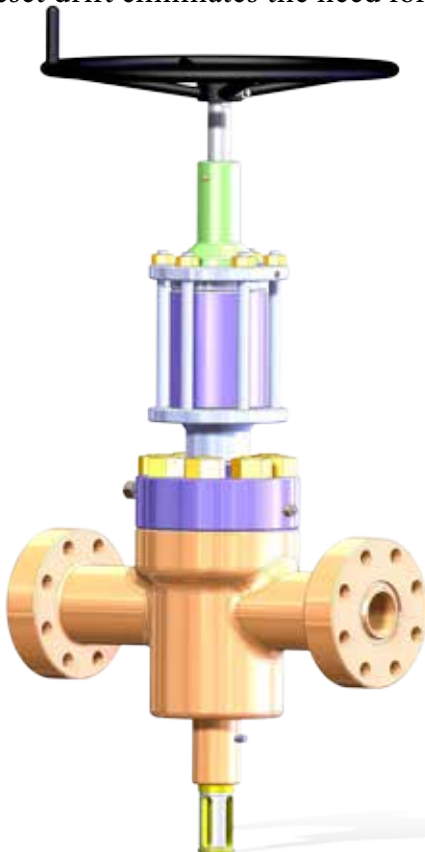
WOM's actuator has single forged unitized top cap and cylinder for simple in-line maintenance. WOM's quick disconnect mechanism for the actuator allows fast removal without disturbing the body / bonnet connection. Provides immediate access to stem packing.

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

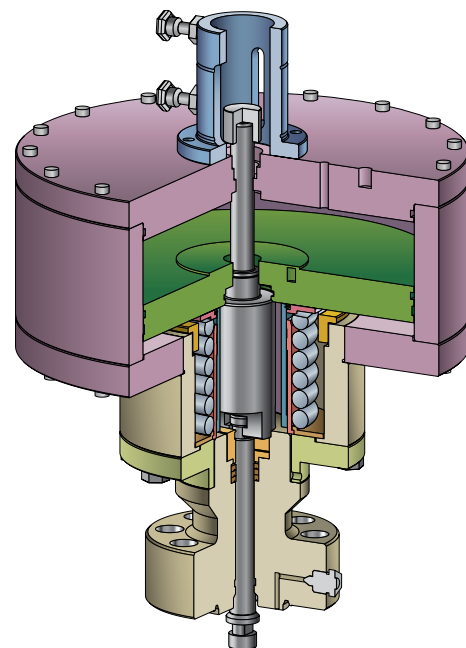
Factory preset drift eliminates the need for field adjustments.



Hydraulic Fail-Safe Actuator



Hydraulic Double Acting Actuator with  
Magnum Gate Valve



Pneumatic Fail-Safe Actuator



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Est. 1980

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