

Managed Pressure Drilling Manifolds



With a highly modular building block concept, MHWirth's managed pressure drilling (MPD) manifolds are designed and delivered to fit your specific application with improved operational access and reduced weight.

Our portfolio of manifolds can be used in a large variety of under-balanced drilling applications. Ranging from temporary, retrofit type solutions on existing vessels to permanent, hard-piped configurations, they are tailored to fit your rig and wells.

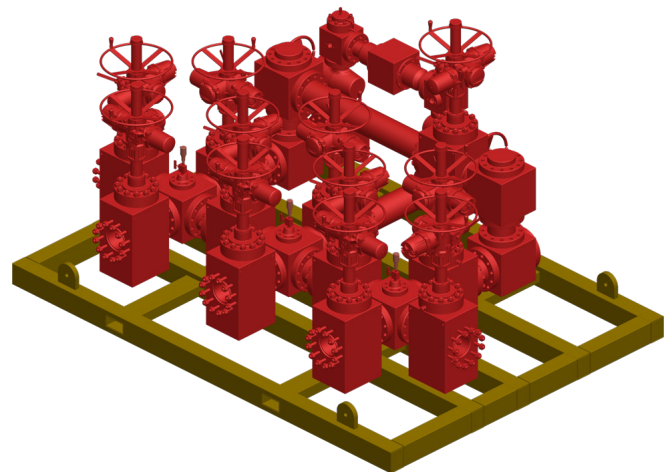
Our manifolds can be delivered as a stand-alone unit or as part of an integrated MPD or well testing system, complete with chokes, buffer and metering and controls.

The manifold allows for either manual or remotely operated valves and is designed with a DNVGL-ST-E273 compliant skid for transport. This scalable design is suitable for various offshore applications around the globe.

All MHWirth pressure components are individually hydrotested to 1.5 times working pressure (per API 6A, PSL-3) prior to assembly into the manifold. The complete manifold assembly is then hydrotested to working pressure (per API 6A, PSL-3).

Manifold Specifications:

- API 6A, PSL 3, PR-2
- Pressure rating: 3 000/5 000 PSI
- Temperature rating: P+U (-20° F to 250° F)
- Material class: EE-NL
- Service: H₂S sour service acc. to NACE MR0175
- Inlays: Inconel 625 inlay in ring grooves and seat pockets
- Manifold bolting: BSL-1 per API 20E



Benefits

- Use of MHWirth's XTRM™ gate valve insures commonality of components over different pressure classes to reduce spare part costs
- Valve seats are a simple design to minimize leaks
- Seat retention mechanism designed for maintenance friendly valve
- Valve internal design reduces solid particulate ingress into body cavity, thus reducing body-lube contamination
- Anti-rotation mechanism for bearing cap prevents galling of operating stem
- Debris barrier protects hydraulic stem, thus preventing leaks and premature wear
- Available with manual, hydraulic or electric actuators

