



MWOD
Mud Weight on Demand™

Fast & Flexible

Enhanced drilling performance coupled with reduced drilling fluid costs. Developed by the experts at ECD Management, our Mud Weight on Demand™ system enables operators to achieve instantaneous adjustments to drilling fluid density by applying surface pressure, using compact, easily transportable surface equipment and expertly engineered wellbore modeling.

The MWOD™ system is designed to reduce the requirement for drilling fluid additives by up to 40%.

To learn more about how MWOD™ can help you deliver your next wellbore at an optimal cost, contact your regional technical sales advisor at sales@ecd-m.com.



Benefits

- Small footprint compared to conventional MPD systems – low cost to transport and/ rig up.
- Requires only a single ECD technical person to operate, with the option to train rig personnel to operate independently.
- Real-time precise control of ECD: ability to instantly adjust downhole pressure without mixing additives or dilution.
- Increased ROP.
- Ability to maintain constant bottomhole pressure during connections, eliminating ballooning and promoting wellbore integrity.
- Reduction in cost of well delivery through reduced cost of transporting, mixing and disposing of fluid additives.
- Suitable for both oil- and water-based drilling fluid systems.



MUD WEIGHT ON DEMAND™ System Overview



Remote Engineering

Our engineering team is available to assist you in designing your wells, supporting field operations, monitoring drilling activities, and ensuring the successful execution of your drilling operations.

A cost-effective take on pressure control without sacrificing quality or precision. Control pressure with confidence, not complexity

Electric Choke

The ECD™ Managed Pressure Drilling Choke and Control System takes pressure control precision to another level by using an electric choke and a state-of-the-art controller algorithm.

Our control system is built for performance and reliability using an electrically actuated choke and triple redundant wellbore pressure sensors.



Inner Diameter	3 in (76.2mm)
Connection	4 1/16 in. 5K API RTJ
Rated Pressure	5000 psi

Rotating Control Device

Our RCD is the most compact in the industry, utilizing a sealed bearing assembly. A complete equalization loop is included along with a remotely operated hydraulic valve. Operators can be trained to operate the RCD independently.



Static Test Pressure	3000 psi
Dynamic Test Pressure	1500 psi
Bottom Flange	11 in; 5,000 psi or 13 5/8 in, 5000 psi

Coriolis Flow Meter

Mass flow measurements and control in a compact and cost effective Coriolis Mass Flow Meter/Controller for accurate measurement and control of flow rates.



Line Size	4 in (100mm)
Pressure Rating	1450 psi
Flow Accuracy – Liquid	+/- 0.10% of flow rate
Density Accuracy	+/- 0.0005 g/cc (+/- 0.5kg/cu m)

