

MPowerD Mud-Gas Separator

The MPowerD managed pressure drilling (MPD) H₂S mud-gas separator is designed for continued drilling in underbalanced conditions where dramatic pressure surges are normal. The unit is certified by NACE MR-01-75, OSHA 29 CFR, and ASME Boiler and Pressure Vessel Code Section VIII, Division I, Section IX, Lethal Service.

In dangerous “kick” conditions, the mud-gas separator allows operators to circulate the drilling fluid by removing large pockets of gas. The gas-cut mud enters the flowline of the unit, where it hits a series of baffle plates. These baffle plates provide surface area for the dispersion of the gas-cut mud. The mud is routed to solids control equipment for further processing while the separated gas travels to the flare line at the top of the unit to be vented at a safe distance from the rig and rig personnel.



Features and Benefits

Certified NACE, OSHA, ATEX, and ASME design

- Allows installation in nearly all applications
- Promotes rig-safe environment

High processing capacity and customizable design

- Enables safe removal of large volumes of free gas or dangerous H₂S gas
- Enables continued drilling in a variety of conditions

Liquid-level control using U-tube

- Improves reliability by eliminating moving parts
- Prevents gas flow into mud line
- Delivers gas safely to the flare line

Customizable specifications

- Allows for use in various drilling programs and applications

Technical Specifications

Liquid inlet size.....	6 in.
Mud discharge size.....	10 in.
Gas discharge size.....	8 in.
Diameter.....	48 in.
Wall thickness.....	0.375 in.
Pressure rating.....	125 psig

