

# SUPER MUD/GAS SEPARATOR



## FEATURES

- Highest gas- and liquid-handling capacity available
- Designed for constant underbalanced drilling
- Highly efficient baffling system maximizes mud/gas separation
- Capable of pressured operation
- Adjustable U-tube height without additional elevation vessel
- Manufactured to exacting standards
- Self contained; skid mounted

## BENEFITS

- Drill deeper, larger-diameter wells and exploratory wells at higher circulating rates
- Minimizes mist carryover and gas-cut mud at the flow line
- Optimizes safe drilling practices
- Permits immediate sale of gas during drilling operations
- Enables more efficient separation of emulsions and gas-cut mud in either oil or gas environments

The M-I SWACO SUPER MUD/GAS SEPARATOR<sup>†</sup> offers the highest gas- and liquid-handling capacity available.

Its highly efficient baffling system maximizes mud/gas separation, enabling operators to drill deeper, larger-diameter wells and exploratory wells at higher circulating rates while safely handling greater volumes of gas. It also minimizes mist carryover and gas-cut mud at the flow line.

### How it Works

**Large 6- x 22.3-ft (1.8- x 6.8-m) diameter vessel with 12-in. (304.8-mm) flare line.** Allows the highest gas- and liquid-handling capacity available.

**Optimizes safety and control.** The SUPER MUD/GAS SEPARATOR unit enhances safe drilling practices during underbalanced conditions, improves “kick” handling capabilities, permits optimum circulation rates and large-diameter holes to be drilled through the targeted zone, provides more efficient separation of emulsions and gas-cut mud in either gas or oil environments, and eliminates the need and cost of a skimming system in a gas environment.

**High-efficiency baffle system.** Maximizes mud/gas separation, minimizes mist carryover which produces a cleaner flare and minimizes gas-cut mud at the flow line.

**Capable of pressured operation.** Increases gas- and liquid-handling capacities and permits immediate sale of gas during drilling operations.

**Adjustable U-tube (liquid seal) height to 14 ft (4.3 m) without additional elevation of the vessel.** Increases vessel pressure, creating higher flare capacity, enabling more efficient separation of emulsions and gas-cut mud in either gas or oil environments.

**Higher liquid-capacity vessel with multiple nozzle ports.** Permits pumping of “hot” mud directly into the vessel to reduce gas hydrates. Increases mud gradient within U-tube to increase gas-handling capacity.

### Manufactured to exacting standards in accordance with:

- NACE MR-01-75 for H<sub>2</sub>S service — Provides for safe handling of corrosive, deadly sour gas and gas-cut drilling fluids.
- OSHA 29CFR 1910 for safety — Provides safe and easy access for rig-up and servicing via ladder and platform system.
- ASME Boiler and Pressure Vessel Code Section VIII, Division I, Section IX, Lethal Service and So Stamped — Provides maximum rigsite safety during underbalanced drilling operations.

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P.O. Box 42842  
Houston, Texas 77242-2842  
[www.miswaco.slb.com](http://www.miswaco.slb.com)  
Email: [questions@miswaco.slb.com](mailto:questions@miswaco.slb.com)