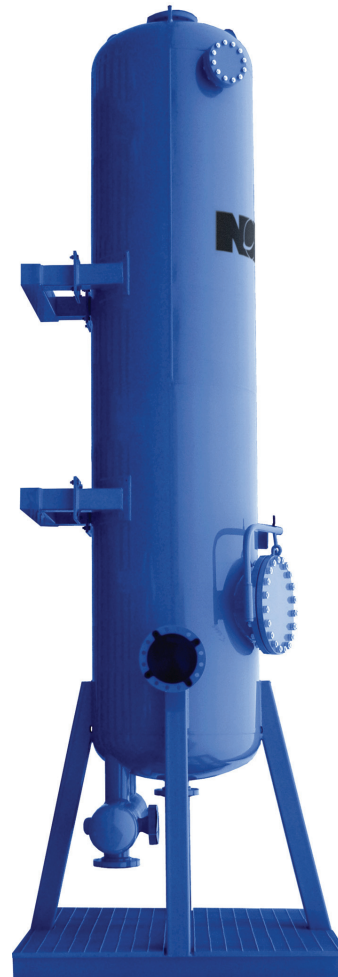


Brandt® H₂S Mud/Gas Separator

**SAFELY REMOVES LARGE VOLUMES OF FREE GAS,
WITH CERTIFIED NACE, OSHA, ATEX AND ASME DESIGN**

The NOV® 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 29CFR 1910, ATEX Category 2 Non-Electrical (ATEX 94/9/EC) 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.



Brandt® H₂S Mud/Gas Separator

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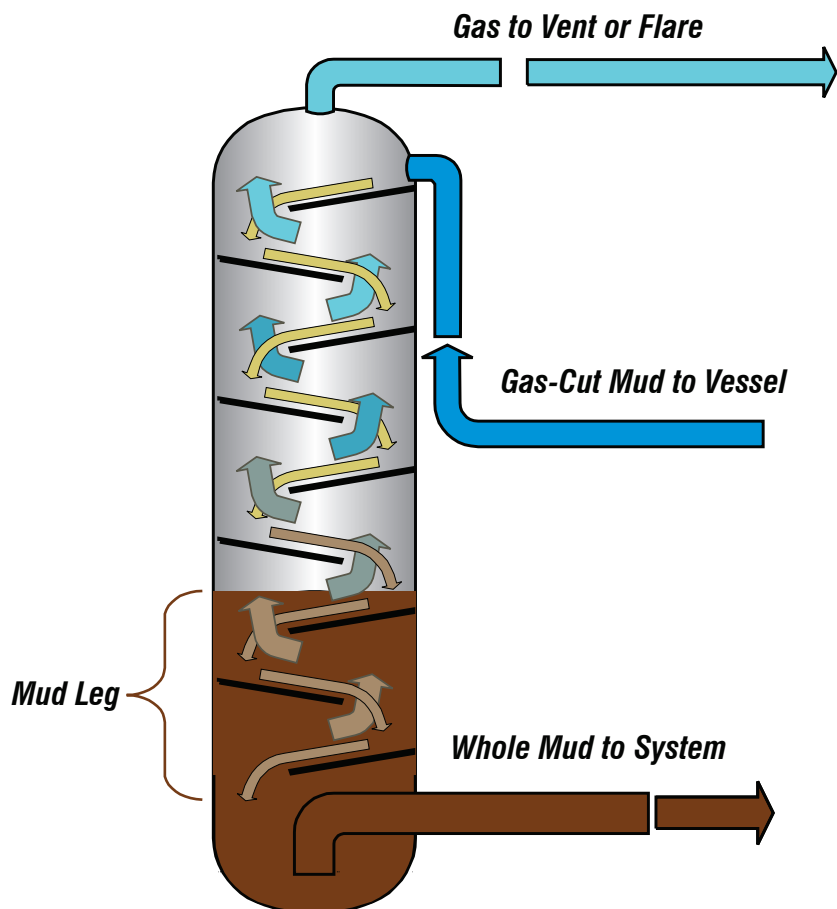
FEATURES	BENEFITS
NACE, OSHA, ATEX and ASME certifications	Certified design for installation in nearly all applications
High processing capacity	Continued drilling in a variety of conditions
Removal of dangerous H ₂ S	Promotes safe rig environment
Baffle plates within vessel	Efficient removal of free gas
Customizable specifications	Built to match drilling program and application
Backpressure manifold in flare line	Control of the delivery of gas to the flare line
Liquid-level control valve or U-tube	Control of retention time of gas-cut mud in the vessel Optimizes processing effectiveness and efficiency
Skid-mounted design	Easy transportation, rig-up and rig-down

www.nov.com/brandt

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 **NATIONAL OILWELL VARCO**

Brandt® H₂S Mud/Gas Separator



OPERATION

1. Mud and gas are diverted from the flowline through a choke and into the separator.
2. Gas is released as the fluid impacts the baffles.
3. "Free" gas is collected at the top of the vessel and vented a safe distance for flaring or discharge to the atmosphere.
4. Fluid is maintained at a specific level (mud leg) within the separator at all times.
5. The drilling fluid returns to the active mud system where vacuum degassers remove additional entrained gas.

Specifications*

GENERAL

Liquid Inlet Size	6 in (152.4 mm)
Mud Discharge Size	10 in (254 mm)
Gas Discharge Size	8 in (203.2 mm)
Diameter	48 in (1.22 m)
Wall Thickness	0.375 in (9.525 mm)
Pressure Rating	125 psig

* Other configurations available upon request

From flowline to disposal, NOV has the solutions for your separation and waste management needs. Brandt is a product group of National Oilwell Varco®, the industry's leading provider of oilfield products and services.

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