

BIG-B

The BIG-B is a high-capacity vertical mud-gas separator designed for enhanced well control in Managed Pressure Drilling (MPD) applications. It is designed to continuously handle high volumes of gas, liquids, and cuttings, enabling the safe and efficient separation and removal of gas from the drilling returns. The self-erecting BIG-B allows for our MERCURY MPD™ or NITRO MPD™ integrated choke manifold building to dock directly onto the skid and moved between well pads using the Beyond Walking System. This mobile configuration reduces rig-up and rig-down requirements, minimizes equipment handling, and significantly reduces the overall operational footprint.

Applications

- Managed Pressure Drilling
- Return Managed Drilling
- UBD/Flow Drilling

Features

- Patented vessel designed and constructed in accordance with ASME Section VIII Division 1 specifications
- Certified NACE MR-0175 / MR-0103 (ISO-15156 / ISO-17945)
- Beyond Tank Level Monitoring System measures tank volume, indicates and transmits data in real-time
- Optimized internal design improves gas-fluid separation, enabling higher circulation rates and maximum efficiency during MPD conditions
- Eliminates the need for a picker truck, or crane
- Compatible with the Beyond self-erecting Flare Stack or rigs' flare tank



Specifications

General Data	
Maximum Working Pressure	862 kPa (125 psi)
Maximum Gas Flow Rate	1800 KSCM/day (63.7 MMSCF/d)
Maximum Liquid Capacity Rate	4 m ³ /min (1050 gpm)
Vessel Volume	17 m ³ (107 bbl)
Dimensions Standing (L x W x H)	12.6 m x 2.8 m x 9.8 m (41.4 ft x 9.2 ft. x 32.2 ft)
Dimensions for Transport (L x W x H)	12.6 m x 2.8 m x 3.6 m (41.4 ft x 9.2 ft. x 11.8 ft)
Weight	15,605 kg (34,403 lbs)
Outer Diameter	1.83 m (72 in.)
Temperature Rating	-46 °C to 93 °C (-50 °F to 200 °F)
Liquid Outlet Line	305 mm (12 in.)
Gas Outlet Line	305 mm (12 in.)
Inlet Line	101 mm (4 in.)

