



CENTRIFUGAL DEGASSER

 Xi'an, China

energy  Q1
Registered
Manufacturer

CENTRIFUGAL DEGASSER

Product Description

TRLCQ Vertical Centrifugal Degasser – Efficient Gas Removal for Drilling Fluids

The Vertical Centrifugal Degasser is a specialized solids control unit designed to efficiently remove entrained and free gases from drilling fluids. Unlike vacuum degassers, it uses a centrifugal separation method, relying on a high-speed impeller and mechanical force to break gas bubbles and separate them from the mud.

Installed downstream of the shale shaker and mud cleaner, it plays a critical role in stabilizing drilling fluid density, preventing “gas-cut” mud, and ensuring safe and efficient drilling operations.

The vertical design offers a smaller footprint, simplified installation, and easy integration into both onshore and offshore drilling systems.



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Product Description

- **Dual-Pressure Design –**
Choose between standard atmospheric or auto-controlled pressure models for varying gas volumes.
- **Toxic Gas Protection –**
Specialized construction handles HS and combustible gases with flare ignition compatibility.
- **Flow-Adaptive Configuration –**
Adjustable inlet/outlet piping (vertical/horizontal) for rig-specific installations.
- **Fail-Safe Gas Disposal –**
Back-pressure manifold ensures controlled flaring away from personnel.
- **Rapid Deployment –**
Skid-mounted or trailer-ready designs for fast rig-up in remote locations.

Competitive Advantages

- We offer high quality products at competitive price.
- Shortest delivery time.
- Flexible payment terms.
- Timely after-sale service.
- Most of our equipment can be replaceable with international brands.
- Our products have been exported to Argentina, Egypt, US, Australia, Romania, Pakistan, Dubai, Abu Dhabi, Iran, India, Indonesia, Vietnam, Malaysia and many other countries.

Competitive Advantages

- **Prevents Well Control Events –**
Maintains stable mud weight to avoid kicks/blowouts.
- **Multi-Industry Proven –**
Effective in oil/gas drilling, HDD, piling, and mining.
- **Zero Downtime Design –**
No moving parts with minimal maintenance requirements.



Certrifugal degasser

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TECHNICAL HIGHLIGHTS

- **Capacity:**
800–1,500 GPM (customizable)
- **Gas Removal Efficiency:**
>90% free gas elimination
- **Materials:**
HS-resistant carbon steel or stainless steel options
- **Compliance:**
API RP 53, ISO 9001, ATEX (available on request)

Model	TRLCQ300
Mud Inlet Diameter	20"
Mud Output Diameter	8"
Gas Output Diameter	2"
Maximum Passage Mount of Mud	300m³/h
Maximum Degassing Capacity	30m³/h
Main Motor Power	22Kw
Pump Motor Power	1.1Kw
Weight	1370kg
Dimension	1150×1055×3110mm

ABOUT TR SOLIDS CONTROL

TR SolidsControl is a professional manufacturer of drilling fluid equipment, supplying advanced solids control solutions for oil and gas, trenchless, and geothermal industries worldwide. Our commitment to innovation and quality ensures high-performance products and reliable service.



Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd., established in 2010, is a modern manufacturer of solids control equipment certified to both API Q1 and ISO 9001 standards.

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