



Flotec® blow down system transforms fleet efficiency and reduces downtime



HARLSAN

Revolutionizing RC Drilling: Harlsan's Impact on Rig Efficiency

One of our largest customers, a major player in the RC drilling industry, was using an old blow down system with integrated hydraulic and pneumatic components. This design meant that a failure in one component would render the entire system inoperable. Seeking a more reliable solution, they opted to trial Harlsan's new Flotec® blow down system, which separates the hydraulic and pneumatic components.

The new Flotec® blow down was installed in one of their rigs, and its performance closely monitored. The results were overwhelmingly positive: maintenance became simpler and less time-consuming, leading to significantly reduced rig downtime. Wear-life was extended, and the overall rig performance improved markedly.

The success of the Flotec® blow down quickly garnered attention within the company. Initially planned for gradual implementation, the roll-out was accelerated due to the system's outstanding performance. Within nine months Flotec® was standard across their entire fleet.

The customer has reported continued satisfaction with the Flotec® system, stating that the gear is still "going really well in the field."

Streamlined Maintenance & Increased Productivity:



Enhanced efficiency:

The Flotec® blow down system swiftly clears drill string blockages with a simple switch, allowing teams to resume operations faster.



Reduced downtime:

Flotec® simplifies and speeds up maintenance, significantly reducing downtime.



Long-term satisfaction:

The crews in the field continue to find the new system so effective at improving rig performance, they have ordered spares for all their rigs, so they are never without Flotec®.

AT A GLANCE

Challenges:

- **Integrated Hydraulic and Pneumatic Components**
The old system's integrated hydraulic and pneumatic components meant that any failure in one disabled the entire system.
- **Complex Maintenance**
Maintenance was time-consuming and onerous, causing significant downtime.
- **Reduced Productivity**
Rig downtime due to blockages or maintenance compromised operational efficiency.

Successes:

- **Extended Wear-Life**
Flotec® has a thicker section wall on the wear sleeve, increasing wear-life.
- **Simplified and Safer Maintenance**
Flotec® requires less time and effort for maintenance, improving safety by reducing the time teams spend operating at height.
- **Rapid Fleet Adoption:**
The trial's success led to a swift transition to Flotec® across all field teams.

Your rig, optimised.

Harlsan's world class equipment and innovative engineering combine to optimise your rig's profitability and make ongoing maintenance quicker, safer and easier. Our setup is game-changing and we will work closely with you to ensure a seamless integration.

2 Flotec® Blow Down



YOUR SETUP	For example	Notes
Rig Make & Model		
Drill String Size	- 3", 3½", 4", 4½" - Custom	
Existing Blow Down Unit?		
Connection Type	- Flange: - Knock-on Nut:	
Wear Bend Coupling (Flotec Top Mount)	- 4 ½" ACME Knock-on nut - 6" ACME Knock-on nut - Flange - Other	
Rig Coupling Type (Flotec Bottom Mount)	- 4 ½" ACME Knock-on nut - 6" ACME Knock-on nut - Flange - Other	
Inner Tube Bore Size		
Further Detail		