




APPLICATION

As drilling operations push into longer, deeper and more complex environments, accurate management of circulating pressure is essential for maximizing efficiency. E3's RAPTR™ - automated pressure relief system, enables operators to fully utilize and even increase the pressure limits of their circulating systems, eliminating unnecessary safety margins that reduce drilling speeds and limit equipment options. By accurately monitoring surface and SPP with 99.94% accuracy, RAPTR™ enhances drilling performance while reducing downtime and equipment strain.

The RAPTR™ system features Dual redundant valves 2 x2" with a 10K psi pressure rating situated on a 4x4x6 self contained skid which allows for versatility when placing on rig site. To ensure seamless rig integration the unit is remotely controlled via the HMI driller console and allows for automated valve response for instant pressure relief.

RAPTR™ is an innovative solution to automated pressure relief that dramatically improves drilling efficiency, safety, and environmental compliance. Whether you're an E&P company, a drilling rig contractor, or a directional drilling service provider, RAPTR™ delivers tangible cost savings, increased operational performance, and a reduced risk of equipment failure and downtime.

 <p>Directional Benefits</p> <ul style="list-style-type: none"> • Reduce Motor Stalls • Enhanced Hole Cleaning • Tool & BHA Versatility • Increased Motor Output • Rapid SPP Bleed Down • Torque control and mitigation • Increase ROP 	 <p>E&P Benefits</p> <ul style="list-style-type: none"> • Maximized Asset Utilization – Drill more with less • Reduced Environmental Liability with Zero Discharge • Improved Wellbore Quality • Reduce / Prevent NPT • Predictable well delivery 	 <p>Rig Contractor Benefits</p> <ul style="list-style-type: none"> • Integration with rig automation • Eliminate redundant safety factors • Reduced Service Cost and Repair • Works with existing rig infrastructure • Minimize crew exposure to high risk areas • Eliminates cleanup and repair time
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INNOVATIVE TECHNOLOGY

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RAPTR™ BENEFITS

Increase Surface Pressure Operating Limits +/- 500 PSI

Reduced Connection Times with Rapid SPP bleed down

Valve Actuation to release Pressure in 0.4 Seconds

Improved Torque Response & Control

Manage OPE and Back on Bottom Drilling in under 1 Min

Enhanced Hole Cleaning With Higher Flow Rates

Prevents Equipment Damage and Reduces Motor Stalls



HMI Console

To learn more or request a demo, email sales@e3team.com.

CREATING EXCELLENCE THROUGH *simplified* INNOVATION

Efficiency. Execution. Empowerment.

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