

FULLY ELECTRIC-DRIVEN BLENDING UNIT

Maximize your Blending Performance and Reliability

Introducing a fully electric-driven blending unit engineered to maximize fracturing performance. With a completely redesigned asset, advanced automation, and built-in redundancies, the electric blender delivers unmatched efficiency, reliability, and safety. Designed for longevity, it reduces wear and tear, minimizes downtime, and supports low-emission with high-efficiency.

Powered by independently controlled electric motors, the electric blender integrates three centrifugal pumps, proppant delivery via augers or belt, and two dry-chemical feeders, all of which are fed through a simplified plumbing system that significantly reduces erosion. With an operator-less design, extended remote diagnostics, and automated redundancies, this system ensures optimal performance with minimal manual intervention. By utilizing STEP's direct to tub sand delivery systems the asset is ready to support dry or wet proppant types with precision accuracy.

100%

Electric-driven

38M³/MIN

Capacity

9,000KG/MIN

Proppant delivery rates



Application

- Hydraulic fracturing

Key Benefits

- 100% electric-driven
- Fuel cost reduction, by utilizing alternative-fueled power generators
- Operator-less precision control
- Reduction in onsite personnel
- Extended remote diagnostics
- Automated safety systems
- Sand auger and belt delivery system options
- Integrated sand automation

Operational Parameters

- Capacity: 38m³/min
- Power source: 480VAC powered by natural gas, diesel, dual-fuel or grid
- Slip and slurry circuits: Optimized for peak efficiency

Features

- Redesigned and rebuilt asset for enhanced durability
- Low-maintenance plumbing design to minimize wear and erosion
- Full automation with redundancy to prevent unexpected failures