



Fracturing Blender

ACCURATELY MIX FLUIDS, ADDITIVES AND PROPPANTS



APPLICATIONS

- Hydraulic fracturing operations
- Acid stimulation operations

FEATURES & BENEFITS

- The manifold was completely re-engineered for increased reliability
- The redesigned tub simplifies maintenance access and potentially allows work to be completed on location
- An enclosed, pressurized cab that improves operator safety
- On-board liquid and dry chemical additive system
- Patent pending sand distribution system to reduce air ingestion at high sand concentration
- Can run acid through bypass piping and remote actuating valves

Overview

The fracturing blender is designed to mix and deliver fluids for hydraulic fracturing and acidizing operations. This complete system has been adapted to perform under demanding operating conditions and to integrate with recent advances in fracturing chemistry. It provides a new level of reliability with higher pumping rates, reduced downtime, improved operator safety and increased overall well productivity.

Units are available with delivery to downhole pumps with maximum rates of 125 bbl/min (19.9 m³/min) with water or 100 bbl/min (15.9 m³/min) with gelled fluids. Units are horizontally configured with a standard tub for mixing proppants with fluids. They may be winterized to improve performance and protect personnel in extreme cold.

The blender features a modern control system. Precision instrumentation and drive systems provide control of mixing speed, tub leveling, proppant density and flow rate. The electronics have built-in intelligence to accurately manage the unit's operation. It also includes manual backup controls to ensure reliable performance.

TYPICAL PROPERTIES

DECK ENGINE

1,100 BHP (TIER IV AVAILABLE)

SAND DENSITY

UP TO 20 lbm (2397 kg/m³)

RATE

WATER: 5 TO 125 bbl/min (0.8 TO 19.9 m³/min)

GELS: 5 TO 100 bbl/min (0.8 TO 15.9 m³/min)

SAND RATE

300 TO 25,000 lbm/min (136 TO 11,340 kg/min)

LIQUID ADDITIVE SYSTEMS

UP TO 25 gal/min (94.6 L/min)

DRY ADDITIVE SYSTEMS

UP TO 60 lbm/min (27 kg/min)