Mobile chemical additive unit

Efficient stimulation operations

Applications

- Hydraulic fracturing operations
- Acid stimulation operations
- Sand control operations
- Workover and remedial operations

Features and Benefits

- Consistent chemical additive delivery
- Onboard tank for waste fluids
- Onboard tank for diesel flush
- Two deck engine 100 BHP
- 65 GPM hydraulic system
- 10 mass flow meters for accurate rate measurement
- Eight tote tanks with different capacities
- One hydraulic agitator assembly
- Baker Hughes control system:
  - Automatic and manual LAS system control
  - Automatic or manual staging control
  - Ratio control based on Blender Tub input
  - Fixed flow control
- Mechanical pump speed sensors for backup

The Baker Hughes mobile chemical additive unit is a trailer mounted unit designed to carry and meter chemicals for fracturing or acidizing operations. The unit will deliver the fluids to the frac blender at rates ranging from 0.05 to 25 GPM. The unit is configured with 10 additive pumps. There are eight tote tanks, four 350 gallon, and four 550 gallon tanks. They are removable, allowing the use of vendor tanks. The individual pumping systems can be configured as a nominal 0.5, 10, or 25 GPM system. Each system has a mass flow meter for accurate measurement and control.

Power is supplied by two deck engines that gives the unit backup power during frac jobs. The pump systems are powered by hydraulics that utilizes servo controls.

Typical specifications	
Deck engine	Two Cummins engines at 100 BHP
Liquid Additive System (LAS) rates	0.05 to 2 gpm
	0.1 to 5 gpm
	0.2 to 10 gpm
	0.3 to 25 gpm
Capacity	3,600 gallon and eight tote tanks