Skid mounted hydration units

Simplify hydraulic fracturing operations

Applications

- Hydraulic fracturing operations
- Frac pack operations
- Workover and remediation operations using gelled fluids
- Sand control operations

Features

- Three-minute residence time
  - Thoroughly hydrates LFC
  - Increases application flexibility
- Up to 100 bbl/min delivered to the blender
  - Enables continuous-mix operations
  - Simplifies and speeds up fracturing operations
  - Improves hydraulic fracturing economics
  - Reduces wasted fluid and related disposal costs
  - Minimizes equipment footprint on location

The Baker Hughes skid mounted hydration units are designed to simplify and improve the efficiency of hydraulic fracturing and other operations using gelled fluid systems. As a result, the units reliably carry liquid frac concentrate (LFC), provide residence time for hydrating fluids used in hydraulic fracturing, and deliver fluids to the blender.

Hydration units are available with tanks that hold up to 275 bbl (43 m^3), arranged in multiple compartments for ideal hydration. The LFC is injected into the fluid through a static mixer and then is recirculated through centrifugal pumps for blending. An on-board pump and mass flow meter accurately measure the gel concentrate. Units also feature automatic tub level control systems and continuous monitoring of viscosity and pH levels.

Technical specifications	
Dimensions	L 36 ft (3 m) X W 8 ft (2.4 m) X H 10.25 ft (3.1 m)
Deck engine	Up to 600 BHP
Liquid frac concentrate pump	1 to 43 gal/min (4 to 163 L/min)
Tanks	Up to 275 bbl (43.7 m^3)
Hydration time	Up to 3 min
Delivery to blender	Up to 100 bbl/min (43.7 m^3)
LFC capacity	Up to 1,300 gal (4920 L)