

Dry-on-the-Fly mobile hydration unit

Consistent precision hydration

Applications

- Hydraulic fracturing operations.
- Acid stimulation operations
- Sand control operations

Features and Benefits

- Baker Hughes automated mixing control system
- Trailer-mounted or skid-mounted design
 - Improves flexibility for transport to job sites
- Two dry gel metering tanks
- Safe Operation with reliable dust handling system
- Automatic proportioning or manual control mixing
- DOTF can be used to pre-gel frac tanks
- DOTF eliminates hydrocarbon-based carrier fluid, enabling cleaner, more sustainable hydraulic frac operations
- DOTF dry powder design eliminates LFC waste and settling issues while doubling road legal transport capacity (50,000 lbs)
- Accurate polymer metering ensuring consistent frac fluid quality while executing the job as per design

The Baker Hughes Dry-on-the-Fly™ (DOTF) hydration unit is a multiple polymer stimulation hydration system with the ability to mix and hydrate different types of dry polymers for continuous-mix hydraulic fracturing operations. It is engineered to enhance fracturing-fluid system performance with more precise measurement of additives. The unit is equipped with Baker Hughes automated mixing control system. The Baker Hughes

control for the hydration unit provides automatic proportioning of the polymer rate to the base water rate. The inlet rate in the hydration tank is controlled by a hydraulic actuated inlet valve. The control panel displays the polymer rate, temperature, viscosity, water rate, and totals. DOTF Hydration units are available with tanks that hold up to 180 bbl, arranged in multiple compartments for ideal hydration.

Technical specifications

Dimensions	L 43.8 ft (13.2 M) X W 8 ft (2.4 M) X H 13.25 ft (4.0 M)
Rate capability	Conventional operation 50 bpm with 55 lb/m gal (8 m ³ /min with 25 kg gel)
	Concentrate operation 100 bpm with 30 lb/1,000 gallon gel (15.9 m ³ /min with 22 kg/3.8 m ³ gel)
Dry gel feeder	1 to 120 lb/min (.5 to 54 kg/min) Two 4-in. feeders
Maximum powder capacity	3,500 lb per pod (road legal)
Maximum powder rate	120 lbs/min

