

# Liquid Additive Skid (Manual)

## Streamlined chemical additive system

### APPLICATIONS

Land and offshore drilling operations

### ADVANTAGES

- Compact footprint, skid-mounted design
- Two injection pumps controlled with variable frequency drive (VFD)
- Automatic dosing
- Robust construction
- Limited moving parts and reduced maintenance
- Local control panel (LCP) with LCD touchscreen
- Certification for offshore installation
- Filling lance with quick-lock mechanism
- Instrumentation package
- Manual flushing valves
- Integrated spill pan and drain outlets

The liquid additive skid streamlines the process of adding chemicals into oil- and water-based mud systems by providing a single point of contact for liquid chemical feeding and injection jobs. It enables accurate, automatic, high-speed dosing of liquid chemicals into the mud mixing system for increased job flexibility and ease of use.

The operator controls and monitors operations using a touchscreen mounted on the skid's LCP. Operating parameters are set using the LCD touchscreen mounted on the skid LCP. An information area on the LCP displays real-time system status whenever the system is running.

The liquid additive skid filling lances are connected to a flexible hose using a quick-connect valve for fast and easy changes. The unit is driven by two VFD-controlled hose injection pumps, each with a pumping capacity of up to 449 galUS/h [1,700 L/h]. A flow switch and a pressure switch on each of the chemical lines prevent high pressure during discharge operations of the dosing pumps if running against closed valves.



### Specifications

Area classification	Safe zone
Dry weight	1,279 lbm [580 kg]
System control	Local and remote
System type	Pneumatic electric
System drive	VFD
Pump capacity (each)	8.8 to 44 galUS/min [2 to 10 m <sup>3</sup> /h]

### Standard Scope of Supply

Skid-mounted unit complete with
Two VFD-controlled hose pumps
Two filling lances with quick-connect mechanism
Remote-operated valves and remote control
LCP panel with LCD touchscreen
Standard project documentation

### Options

Barrel holder
Automatic flushing system
Additional certification (e.g., Zone II or CE)
NORSOK documentation