

Liquid Additive Skid (Automatic)

Streamlined chemical additive system

APPLICATIONS

Land and offshore drilling operations

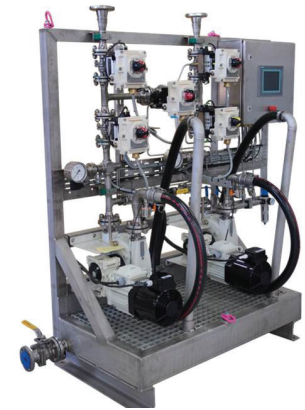
ADVANTAGES

- Compact footprint, skid-mounted design
- Two injection pumps controlled with variable frequency drive (VFD)
- Automatic dosing
- Robust construction
- Fewer 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	772 lbm [350 kg]
System control	Local and remote
System type	Pneumatic electric
System drive	VFD
Pump capacity (each)	0.75 to 7.5 galUS/min [0.17 to 1.7 m ³ /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
Frequency control cabinet

Options

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