

Liquid Additive Trailer



Profile

The KOLLER Liquid Additive Trailer (LA-Trailer) can be used to transport and add onsite additives to the frac fluid. The pumps have a manual and automatic mode.

Manual mode: the additives are added manually via a touchpanel and can be adjusted as required.

Automatic mode: depending on the volumes the frac pumps are pumping, the additives pumps adjust automatically to ensure a constant concentration of additives in the frac fluid. The pre-programmed concentration can be changed using the control panel.

The trailer has a built-in generator making it independent of an additional power source.

In the integrated laboratory the parameters of the additives can be continuously observed. The trailer is at present operational in Europe.

- During the job all relevant data is collected & saved, and thus available for future reference
- Laboratory and control room with heating / airconditioning
- Electrical operated Agitators for mixing additives +
- 8 x IBC's / 1,100 l
- Electrical level detectors
- Touchpanel enables control and observation of the pumps, pumped volumes and Shut-off valves
- CE certified + 2006/42/EG + 94/9/EG
- Gas warning system monitors the laboratory & tanks
- Monitoring of potentially explosive atmosphere with a green or red light indication in and outside the trailer
- Dry clutches for several connections to the Intermediate Bulk Container (IBC)
- Pneumatic operated hose reels
- IBC can be loaded-unloaded by forklift over the side doors

Liquid Additive Trailer

Dimensions

Total length	13,600 mm / 44.62 ft
Width	2,520 mm / 8.27 ft
Height	4,000 mm / 13.12 ft
Gross weight (empty)	21 t / 46,297 lbs
Max. operating weight	35 t / 77,161 lbs

External ports on Trailer for

flushing and filling the tanks with fresh water
permanent power supply

Generator room

Generator (extendable for service)

Generator (var. continuous power)	47,9 / 59,7 kVA
Voltage	400 V AC
DEUTZ generator drive	BF4M2011C
Screw compressor	3 kW

Fresh water

Container volume	2 x 100 l
Separate fresh water tank	Shower / Labor supply

Storeroom

2 x Mixing tank

Content / drive	1,100 l / 1,5 kW
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8 x IBC / tank

Content	1,100 l
(can be filled from the outside with additive)	

Pump room

Pumps for high visc. fluids

Viscosity, max.	$h = 700 \text{ mPa s}$
Delivery rate / pressure	6-68 l/min / 15 bar
Output power	3.0 kW

Pumps for low visc. fluids

Viscosity, max.	$h = 100 \text{ mPa s}$
Delivery rate / pressure	1-40 l/min / 15 bar
Output power	1.5 kW

Hose reel with pneumatic drive

4 x hose (Waukesha)	DN 1 ¹ / ₄ in
4 x hose (CAT)	DN 1 in
Hose length	20 m

