

ECWS FLUID PUMPING EQUIPMENT

SUPPORT EQUIPMENT

Support Equipment - Chem Van & Trailer

Why Work With Essential?

Essential Coil Well Service (ECWS) has one of the largest coiled tubing fleets in Canada.

Our mastered and conventional coiled tubing units work in conjunction with our fluid and nitrogen pumping fleet, aligning our services in a high demand, high utilization, deep well market.

Our mission includes the delivery of safe, reliable and cost-effective oil and gas services. We approach our service as a partnership - our success is linked to our customers' success, and we build lasting relationships based on trust, reliability, and extraordinary service.

Additional benefits include:

- 24/7 on-call Engineering support
- Quality control with services
- Real-time job monitoring
- Post job and trend analysis
- +20 years of experience operating industry equipment
- Among lowest TRIF in the industry

ECWS chemical vans have six fluid injection pumps and six 1,000 L totes. Our chemical trailers are outfitted with eight fluid injection pumps and ten 1,000 L totes in a large format tractor-trailer unit. The pumps in both units have low and high rate ability; all chemical totes are temperature controlled for any weather conditions.

Both units provide accurate chemical injection and have a built-in proportional-integral-derivative (PID) system for a feedback control system to keep required chemical loading consistent under changing pump rates. The fluid pump data connection allows our chemical vans to be automatically and remotely controlled and operated with the ability for manual override.

Up-to-date fluid rheology is available in a laboratory area that provides measurements such as viscosity, salinity, pH, fluid temperature and more.

Our units are also setup with a data connection to coil to supply third party services with real-time chemical injection rates and totals.

Features and Benefits:

- ✓ Accurate chemical injection to 0.05 L/min
- ✓ Up to ten heated and cooled 1,000 L tote storage
- ✓ Lab area including automated viscometer
- ✓ Data recording system with connection to pumps and coil
- ✓ 15,0000 psi injection system for delivering chemical directly into wellbore and BOP pressure test
- ✓ PID system allowing remote and automated operation with feedback control system to keep required chemical loadings



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