

ECWS FLUID PUMPING EQUIPMENT

NITROGEN PUMPERS

Nitrogen Pumping Units

Coiled tubing rigs are supported by a fleet of nitrogen pumpers. Nitrogen units pump inert nitrogen gas into the wellbore for stimulation or workover operations and to purge the coiled tubing of fluids once the coiled tubing work has been completed.

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 maintains a fleet of nitrogen equipment capable of supporting all coil operations. We have the pumps and product transportation to make the job logistics streamlined for any operator. Nitrogen bulker and storage units are available if extra nitrogen is required.

Stand-alone nitrogen services can also be provided which include kickarounds, vessel purges, burst discs, pipeline purging/pigging, LNG blanketing, plant turnaround requirements and facility services.

Nitrogen Pumping Specifications

Mounted N2 Tanks:	Hold 7,000 scm of useable nitrogen gas
Pump Rates:	10 to 85 scm/min
Pump Pressures:	0 to 10,000 psi (0 to 70 MPa)
Pump Temperature:	-5 °C to 70 °C (23 °F to 158 °F)

Features and Benefits:

- ✓ Glycol, hydraulic and exhaust vaporization systems
- ✓ Safety slings, valves and fittings to accommodate
- ✓ 24,500 scm bulker transportation max capacity
- ✓ 10,000 psi pressure rating
- ✓ N2 pump-to-coil data networking
- ✓ Hydrogen bleed-off



Corporate Office
Suite 1100, 250-2nd Street SW
Calgary, AB. | T2P 0C1
403-263-6778

Red Deer Office
77 Queensgate Crescent
Red Deer, AB. | T4P 0R2
403-314-3090

Clairmont Office
2A 63014 TWP RD 724
Clairmont, AB. | T8X 0V1
780-538-0951

