

# ECWS FLUID PUMPING EQUIPMENT

## FLUID PUMPERS

### Quintuplex Fluid Pumps

ECWS fluid pumping equipment is designed to meet the requirements of the toughest wellbore(s). The pumpers perform such duties as coil assist, wireline pumpdown, diagnostic fracture injection test (DFIT), and various high horsepower applications. ECWS fluid pumpers provide a full range of coiled assist abilities that provide an economic advantage and the ability to transport both surface iron and treatment chemicals.

#### 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

Coiled tubing rigs are supported by a fleet of fluid pumpers. Fluid pumpers maintain downhole circulation, provide ancillary acid/solvent treatments, inject friction reducers and other chemicals into the wellbore for completion purposes and hole cleaning. Fluid pumpers also perform stand-alone pumpdown work, pre-fracture testing and frac support work independent of the coiled tubing fleet.

#### Pumping Specifications

Pump Type	Rated Horsepower (hp)	Pump Rate @ 40 MPa (L/min)
Twin Quintuplex	800	1100
Twin Quintuplex	1000	1700
Twin Quintuplex	1500	2800

#### Features and Benefits:

- ✓ 15,000 psi pressure rating
- ✓ 800 to 1,500 horsepower rating
- ✓ Up to 3,000 L/min pump rate capability
- ✓ Dual 1.6 to 5.0 m<sup>3</sup> mixing tanks with overfill alarms
- ✓ Radar tank level sensors
- ✓ Pump-to-coil data networking
- ✓ Ability to pump well servicing fluids and chemicals



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