

# ECWS FLUID PUMPING EQUIPMENT

## FLUID PUMPERS

### Why Work With Essential?

We operate one of the largest coiled tubing fleets in Canada. Our Masted and Conventional coiled tubing units work in conjunction with our Fluid and Nitrogen pumping fleet, which aligns 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 that reward customers, employees and the community. We believe in approaching our service as a partnership in which our success is inextricably linked to that of our clients. We are dedicated to building a lasting relationship based on trust, reliability, and extraordinary service.

Additional benefits include:

- Industry leading TRIF; we care about the safety of each other and our environment
- 24/7 on-call Engineering support
- Quality control with services provided to our customer
- Real-time job monitoring capability for different types of operations
- Post job and trend analysis following the completion of operations
- +20 years of operating industry leading equipment

### Fluid Pumpers – Triplex & Quintuplex

ECWS fluid pumping equipment is designed from the ground up to address the requirements of the future's toughest wellbores with efficiency in mind. The pumpers perform a full range of duties including coil assist, wireline pumpdown, diagnostic fracture injection test (DFIT), and various other high horsepower applications. Our fluid pumpers provide full range coiled tubing assist abilities with an economic advantage and the ability to transport both surface iron and treatment chemicals.

### Pumping Specifications

| Pump            | Type | Rated Horsepower (hp) | Pump Rate @ 40 MPa (L/min) |
|-----------------|------|-----------------------|----------------------------|
| Twin Triplex    |      | 660                   | 850                        |
| Twin Quintuplex |      | 800                   | 1100                       |
| Twin Quintuplex |      | 1000                  | 1700                       |
| Twin Quintuplex |      | 1250                  | 1900                       |
| Twin Quintuplex |      | 1500                  | 2800                       |

### Features and Benefits:

- ✓ 15,000 psi pressure rating
- ✓ 660 to 1500 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
- ✓ Pump-to-coil data networking
- ✓ Custom engineered data acquisition system (DAS)
- ✓ Ability to pump well servicing fluids and chemicals



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