

**PROBLEM:** Ever increasing trucking and fluid handling costs relating to the transportation of well-site fluids.



**SOLUTION:** Don't haul the fluid off site, pump into an existing pipeline.

What can you pump?

- LPG
- Sour oil
- Condensate
- Water, etc..

Trisons portable pump minimizes the need for transportation and storage of well-site fluids.



## PORTABLE PUMPING FACILITY UNIT 2, 12m<sup>3</sup>/hr x 7700 kPa

Cleaner, Greener and a Cost Effective Solution for Fluid Handling

A pumping system capable of pumping well fluids directly into an existing pipeline, thereby minimizing the need for trucking fluid off site and reducing onsite storage.

### Environmental impact:

- Lower operating emissions
- Decrease in road disturbance
- No spills due to traffic accidents
- Venting and priming through vent header

### Cost savings:

- Recycle flow-back fluids such as LPG back into pipeline.
- Cost of fluid hauling is minimized due to less trucking, disposal, and fluid handling costs.
- Less congestion and traffic on site
- Minimum space required for spotting

Trisons Production Services Ltd  
Ramzi Espanoli - President

211 Lochend Drive  
Cochrane, Alberta, Canada T4C2H2

403-816-8770 Mobile • 403-851-0976 Office  
•403-851-0971 Fax  
www.trisonsproduction.com



An Oil and Gas industry alternative to fluid hauling and storage



Trisons is COR certified through Alberta Safety Council and is a registered member of



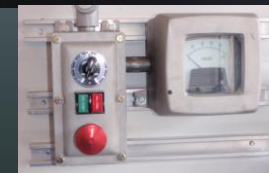
## SAFETY & RELIABILITY

- Unit is CSA certified, and all Piping is NACE.
- Zoned Class 1, Div 2
- Complete Shut-down ensured through Net Safety SMART Sensor technology. Remote sensors located throughout unit should LEL's or H2S reach pre-determined levels.
- Power generator is housed separate from pump unit and equipped with an automatic positive air and LEL shutdown
- Pump equipped with vapor-less stuffing box with its own safety shut-down.
- On board generator allows for complete stand-alone operation.
- Alternate power source connection provides versatility should generator be in-operative.
- Pump and generator equipped with spill containment.
- Easy to use control panel equipped with Stop and Go buttons, speed pot for motor control, USD button for unit shut down, and an LCD screen for visual monitoring.
- SCADA (Supervisory Control And Data Acquisition) set-up for remote access.

## SPECIFICATIONS & CAPABILITIES

- Maximum working capacity of this unit is 10.5m<sup>3</sup> /hr (252 m<sup>3</sup>/day)@9650kPa
- Easy to use touch screen panel (HI) to input parameters (fluid rates, batch amounts, operating pressures) and or manual mode with speed pot.
- Pump head is 316 Stainless Steel NACE.
- Option of inlet/outlet hard piping and or suction hoses and discharge high pressure hose.
- A Yaskawa Variable Frequency Drive (VFD) works in conjunction with remote control panel.
- Abrasive Resistant type valves.
- Pump operates anywhere from suction to high inlet pressures. Booster pump available on system.
- Pre-set relief valve and field variable valve discharges into suction line.
- Pulsation dampener on fluid manifold.
- Monitoring can be on site and or by internet.
- Beacons offer a visual reference of pump status. Horn to alert LEL and or H2S

- Oil and Gas industry alternative to fluid hauling and on-site fluid containment.
- Compact, completely equipped, self contained, portable pumping facility
- CSA and Dot Certified
- Operator friendly
- Reliable, safe and easy to use



**AN INNOVATIVE AND COST  
EFFECTIVE ALTERNATIVE TO  
MINIMIZE HANDLING AND  
STORAGE OF WELL-SITE  
FLUIDS.**

Trisons Production Services Ltd  
Ramzi Espanoli - President  
211 Lochend Drive  
Cochrane, Alberta, Canada T4C2H2  
403.816-8770 Mobile • 403-851-0976 Office  
• 403-851-0971 Fax

[www.trisonsproduction.com](http://www.trisonsproduction.com)