



## EQUIPMENT PROFILE

# Vacuum Truck

### PowerVac160 Vacuum Truck

FourQuest Energy's vacuum truck is a tri-axle truck with a fully integrated combined pump and tank unit that is specifically designed for the oil and gas industry. This truck provides the easiest solution for the removal of any liquid or liquid and particle mixture from tanks and other equipment. It has a compact design, which offers a small on-site footprint, and in addition to its many safety features, it is designed to be easy, safe, and efficient to operate.

### Equipment

FourQuest's diesel-powered vacuum truck uses liquid ring pumps to provide the vacuum. Liquid ring pumps typically

operate at speeds up to 700 rpm, providing approximately 5000 cfm airflow at high vacuum levels. The tank on the truck can hold 15,000 litres of liquid at temperatures ranging from -29°C to 93°C. When using these pumps, flammable vapours may accumulate on top of the product separator. Vacuum pump vapours are controlled through safe vapour recovery and venting methods. The truck also has an integrated emergency shut off system to avoid "dieseling," which occurs when flammable vapours enter the air intake of the diesel engine.

- > Liquid ring pump
- > Product separator
- > Exhaust
- > Shut off system
- > Debris tank
- > Product suction or discharge



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## Applications

- > Plant commissioning
- > Spill mitigation
- > Liquid product transfer and disposal
- > Hazardous and non-hazardous waste disposal
- > Product transport and disposal
- > Spill clean up
- > Drilling mud removal
- > Brine water removal
- > Sewer maintenance and cleaning
- > Interceptor pit cleaning

## Capabilities

**Holding capacity:** 15,002 litres (3,963 gallons)

**Operating temperature:** -29°C (-20°F) - ~ 93°C (~199°F)

**Max pressure:** 275 kpa

**GVW:** 30,000 kg (66,139 lbs)



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