

Save money on your chemical program.

The UCS-LP reduces your operating costs and environmental footprint while improving safety.



Compact, economical, efficient. Introducing UCS-LP. The majority of unconventional operations in the Alberta oil sands already rely on the original UCS system for optimizing chemical programs. Now, the UCS-LP extends this to smaller scale operations with chemical feed rates ranging from a few drops to gallons per minute.

UCS-LP advantages include:

- Reduced need for site visits
- Immediate confirmation of pump and inventory issues
- No calibration required; no need for a "glass" tank level gauge
- Easy installation just thread into the tank, connect PFA column, connect wires, enter chemical density into UCS-LP or Scada, and power up!
- Real-time chemical drawdown confirmation
- Eliminate over-dosing
 - lower cost, logistics, enviro footprint
- Eliminate under-dosinglower risk of non-compliance
- Chemical paid for = chemical used



Visit us at WaveControl.ca Contact our sales team at +1 (780) 468-4320 ext 1 or sales@wavecontrol.ca

Our patented automated drawdown system saves time and money while increasing reliability of remote chemical injection programs. Proper management of these programs is a critical factor for maximizing reliability and production, and, consequently, the economic value of a well. Operators must balance costs of frequent site visits and/or routine over-injection in order to maintain a safety margin against the hazards of under-injection.

Currently, chemical flow is manually confirmed by visiting each site and performing a "drawdown" (allowing the pump to draw from a calibrated liquid column) for each chemical pump. The Wave Control UCS-LP automates this procedure, and performs it repeatedly, 24/7, reporting the measurements and optionally adjusting the pump speed to match the targeted rate. Unlike flow meters, that have difficulty dealing with low, intermittent, or pulsating flows and temperature-dependent viscosities; the UCS-LP precisely measures the weight of the fluid pumped from a calibration column over time. It also reports the feed tank level and can even be set up to directly drive a solenoid pump or PWM controller.



UCS-LP-A with local control and cutaway of fluid chamber. (The shroud around the coupling between the block and control box is omitted for clarity.)

Wave Control provides custom engineering and manufacturing of a wide variety of fluid handling, chemical injection, metering, monitoring, and mixing systems.



Your trusted partner in fluid handling and control.

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