UCS-C

![Wave Control Systems LTD logo]

Control your chemical programs

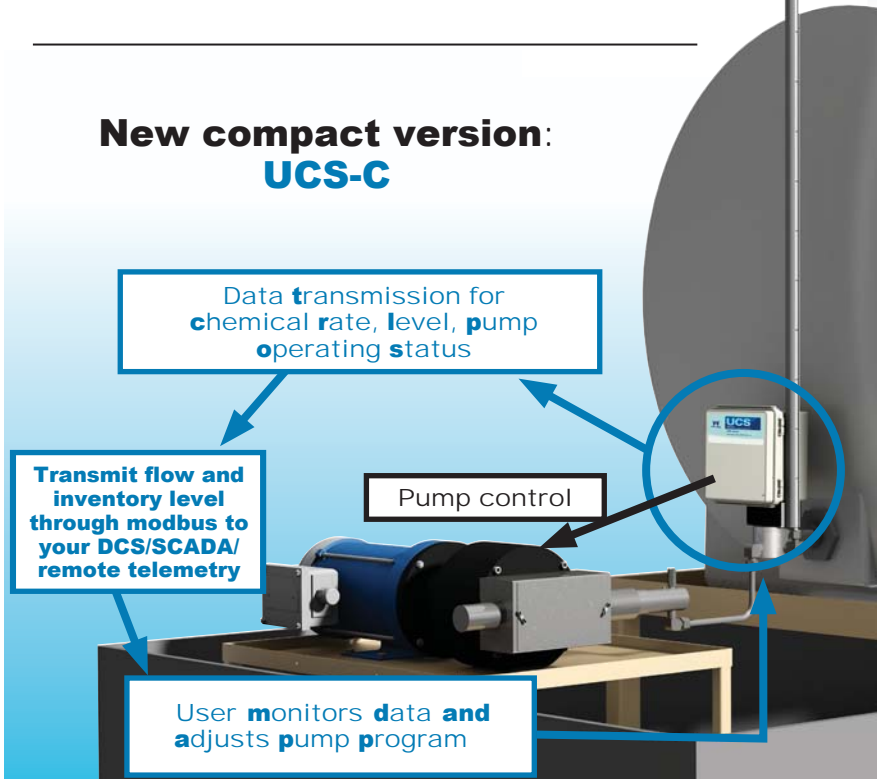The **only** accurate flow measurement for small pulsating flows

The **only** automated closed-loop control of actual dosage

Patented UCS technology automates everything:

1. Performing drawdowns
2. Measuring inventory
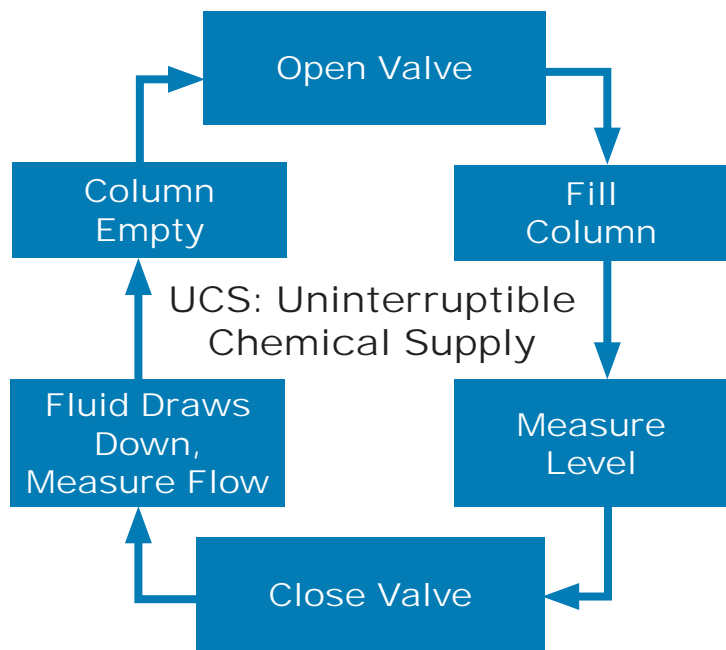**3.** Checking pump status
4. Adjusting dosage

New compact version:
UCS-C

Data transmission for chemical rate, level, pump operating status

Transmit flow and inventory level through modbus to your DCS/SCADA/remote telemetry

Pump control

User monitors data and adjusts pump program

Benefits

⬦ **Remote monitoring and configuration** optimizes wellhead chemical injection

⬦ **Chemical paid for = chemical used.** No more over-dosing or under-dosing

⬦ **Easy installation:** No calibration is required; user enters the specific gravity

⬦ **Reduces operating costs,** windshield time and environmental footprint while improving safety and reliability

⬦ **Custom-designed integral valve** can tolerate corrosive, viscous, fouling or inhomogeneous chemicals

⬦ **Patented, proven UCS technology** is already used successfully in multi-million-dollar, large-scale chemical programs

UCS-C

UCS: Uninterruptible Chemical Supply

Model Specifications for UCS-C

Area classification	Class 1 Div 2
Power	12-24 V DC, 11 mA average @ 24 V (up to 500 mA 2s peak)
Fluid connections	1/2" FNPT for chemical inlet, 3/8" FNPT for outlet to pump
Reported data	Measured flow rate, tank level, alarm state, through modbus RS485 2 Wire (4-20 ma option)
Max Operating Pressure	35 kPag
Max Rated Pressure	70 kPag
Wetted parts	316 SS, PTFE diaphragm, elastomer o-ring (Viton Extreme o-ring is used as standard but any other elastomer can be selected as an option.)
Operating temperature	-20 ºC - +55 ºC ambient (85 ºC internal) (-40 ºC testing underway)
Storage temperature	-45 ºC to +85 ºC
Flow range	0.05 LPD to 180 LPD (refer to flow graph for limits due to viscosity)
Measurement error	<1%
Dimensions	238 [9.375”] (H) x 203 [8.0”] (W) x 90.4 [3.56”] (D), plus 1219 [4’] column
Weather protection	IP67, NEMA 4x

Notes:
1. UCS systems are supplied standard with a calibrated column, highly accurate pressure sensor and microcontroller with proprietary software.
2. Measurements are in mm [in] unless otherwise specified

Your trusted partner in fluid handling and control

Visit us at **WaveControl.ca**

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

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