



UCS-C

Control your chemical programs

💧 The **only** accurate flow measurement for pulsating and intermittent flows

💧 The **only** automated closed-loop control of actual dosage with > 750:1 range

Patented UCS technology automates everything:

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



Benefits

💧 **Remote monitoring and configuration** optimizes chemical injection

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

💧 **Easy installation:** No calibration is required, user enters the specific gravity density-based measurement

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

💧 **Custom-designed integral valve** can tolerate corrosive, viscous, fouling or non-homogeneous chemicals.

💧 **Patented, proven UCS technology** is already used successfully in multi-million dollar facility chemical programs

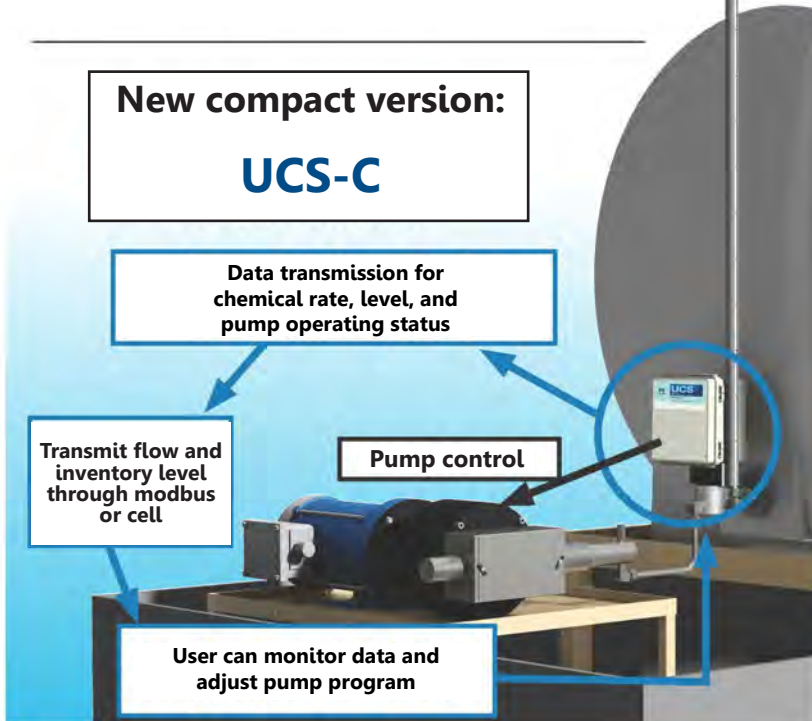
New compact version:
UCS-C

Data transmission for chemical rate, level, and pump operating status

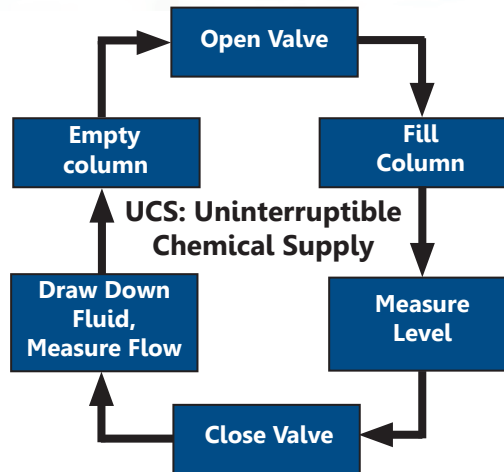
Transmit flow and inventory level through modbus or cell

Pump control

User can monitor data and adjust pump program



UCS-C



Model Specifications for UCS-C

| | |
|-------------------------|---|
| Area Classification | Class 1 Div 2, Zone 2, Groups C & D, T3 |
| Power | 12-24 V DC, 11 mA average @ 24V (up to 500 mA 2s peak) |
| Fluid Connections | 1/2-in FNPT for chemical inlet, 3/8-in FNPT for outlet to pump ¹ |
| Reported Data | Flow rate, tank level and alarm state, through modbus RS485 2 Wire ² |
| Max Operating Pressure | 35 kPag ³ |
| Max Rated Pressure | 70 kPag ⁴ |
| Wetted Parts | 316 SS, PTFE diaphragm, elastomer o-ring ⁵ |
| Operating Temperature | -20 to +55°C (-4 to +131°F) ambient, +85°C (+185°F) internal. ⁶ |
| Storage Temperature | -45 to +85°C (-49 to +185°F) |
| Flow Range ⁷ | 0.05 LPD to 600 LPD ⁸ |
| Measurement Error | <1% over .5m drawdown |
| Dimensions (H x W x D) | 238 x 203 x 90.4 mm (9.37 x 7.99 x 3.56-in), plus 1219 mm (48-in) column |
| Weather Protection | IP67, NEMA 4x |

Notes:

1. Or 1/2-in Swagelok 2. Optional 4-20 mA or cell 3. Higher pressure available with optional DPT 4. Higher pressure available with optional DPT 5. Other materials available 6. -40°C (-40°F) testing underway 7. With various column sizes 8. With about 750:1 column range specific

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