

## **xFlowCO<sub>2</sub> - Automatic Carbonation Systems**

*Perfect carbonation, each time, every time!*

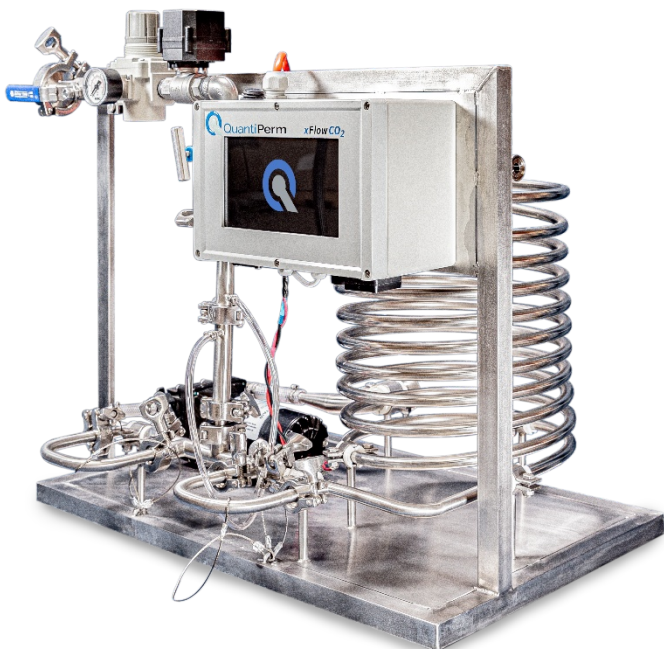
**xFlowCO<sub>2</sub>** carbonation systems use an electronic flow control system in combination with our ultra-high efficiency fine bubble injectors for **near-100% mass transfer efficiency**.

Input your process volume and your desired carbonation level, and **xFlowCO<sub>2</sub>** will accurately inject just the right amount of CO<sub>2</sub> to achieve perfect carbonation.

Once the required amount of CO<sub>2</sub> is injected, **xFlowCO<sub>2</sub>** will automatically shut off CO<sub>2</sub> and sound an alarm. This completely eliminates gas wastage and preserves the product flavor and foam character that you worked so hard to achieve!



**xFlowCO<sub>2</sub>-FRC**



**xFlowCO<sub>2</sub>-Mini**

### **Features:**

- ❖ Significantly improve carbonation consistency
- ❖ Feed-forward true molar CO<sub>2</sub> injection
- ❖ Operate in once-through in-line injection, or bright tank batch recirculation, or even direct to fillers with appropriate ancillary equipment and interconnects
- ❖ Save gas
- ❖ Minimize flavor, BUs and foam losses and ensure your product quality and consistency.
- ❖ WiFi enabled user interface- works with any wifi enabled device with a web-browser

**xFlowCO2** comes in three configurations: *FRC*, *Mini*, and *Surge*.

**FRC** - the standard *Flow Ratio Control - FRC* system can operate at flow rates between 5 gpm and upwards of 75 gpm with a customer-supplied beverage pump.

**Mini** - the *Mini* system features an on-board positive displacement pump to deliver carbonated product to your bright tanks and fillers at 5 gpm.

**Surge** - at a process capability of 5 gpm, the **xFlowCO2 Surge** employs a fully automated surge tank to achieve the right amount of carbonation for all filler speeds.



**xFlowCO2-Surge**

## Water Deoxygenation

Did you know our robust **xFlowCO2** systems can also be modified for use in deoxygenation applications?

Elevated dissolved oxygen levels in-process or in package damage your product and diminish shelf life.

With xFlowCO2 technology, now you can banish oxygen to levels below 10 ppb and substantially lower your package total oxygen levels (TPO).

We deliver this performance at a fraction of the cost compared to alternatives like membrane technology that require TLC or energy intensive thermal/vacuum desorption technologies.

Don't let uncontrolled DO/TPO levels threaten the quality of your product that you worked so hard to produce!

**Contact us for deox options or other customizations, including inline nitrogenation!**

### Technical Specifications:

	FRC	Mini	Surge
<b>Liquid Flow rates, gpm (hL/h)</b>	5-75 gpm (11-170 hL/h) (no pump included)	5 gpm (positive displacement pump w/ pressure switch)	5 gpm (positive displacement pump w/ pressure switch)
<b>Power</b>	110 V ac 1A 220 V ac 0.5A; 24 V dc 3A	110 V ac 5A; 220 V ac 2A; 24 V dc 10A	110 V ac 5A; 220 V ac 2A; 24 V dc 10A
<b>Pressure Rating</b>	85 psi / 5.8 bar	75 psi / 5.2 bar	75 psi; 5.2 bar
<b>Liquid Connections</b>	2" / 2" sanitary	1" / ½" sanitary	1" / 1½" sanitary
<b>Gas Inlet</b>	1" sanitary	1" sanitary	1" sanitary;
<b>Operating Modes</b>	Inline; Once-through; Recirculation; Direct-to-filler with add-ons	Inline; Once-through; Recirculation; Direct-to-filler with add-ons	Direct-to-filler; Recirculation; Once-through
<b>Clean-In-Place</b>	Standard chemicals. Max temperature 212 °F / 100 °C	Standard chemicals. Max temperature 120 °F / 50 °C	Standard chemicals. Max temperature 120 °F / 50 °C
<b>Dimensions</b>	27"W x 27"D x 65"H (685 x 685 x 1655 mm)	30"W x 25"D x 30"H (760 x 600 x 760 mm)	28"W x 18"D x 60"H (711 x 457 x 1524 mm)