

Why Your Brewery Pays More for Water Than It Should — and How to Fix It

Your water-to-barrel ratio may be better than your meter shows. **Wort cooling, CIP cycling, and glycol chiller makeup water create the conditions for air, gas, and turbulence to form in the line at your meter — and you're being billed for it.** The FCD (Flow Conditioning Device) corrects the measurement. Your process doesn't change. Your water bill drops — and so does your sewer bill, because sewer charges are calculated from the same inflated meter reading. One device. Two bills fixed.

WHY BREWERY WATER METERS OVER-READ

The Core Problem: Your Municipal Meter Can't Tell Water From Air, Gas & Turbulence

Municipal water meters measure total volume passing through — water and entrained air combined. Every time your brew house draws a large, fast volume of water (wort chilling, CIP surge, glycol top-off), the rapid demand change creates the conditions for air, gas, and turbulence to form in the supply line. That registers as water volume. You pay for it on every bill, every month, for every batch you brew.

THE THREE OVER-READING SOURCES UNIQUE TO BREWERIES



Wort Chilling Demand

High-volume cold water draw during knockout creates the conditions for air, gas, and turbulence to form at the supply meter. Every batch, every time.



CIP Cycle Surges

Clean-in-place cycling creates repeated large-volume on/off demand events — each one generating air, gas, and turbulence at the meter.



Glycol Chiller Makeup

Variable low-to-high demand cycling creates the open-valve conditions that drive meter over-reading on glycol top-off events.



Your Water-to-Barrel Ratio Is Probably Better Than Your Records Show

If you calculate water-to-barrel efficiency using metered municipal intake, that ratio is inflated by over-reading. After FCD installation, your metered intake more accurately reflects actual water used — your reported water efficiency improves immediately, without changing your process.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Wort chill events inflate meter reading
- ✗ CIP surges compound over-reading
- ✗ Water-to-barrel ratio overstated
- ✗ Sewer charge tied to inflated meter



WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Wort chill events read accurately
- ✓ CIP cycles measured correctly
- ✓ True water-to-barrel ratio revealed
- ✓ Sewer charge based on real usage

5–30%

Average bill reduction range

46%

Highest documented single-site reduction

~1 Hour

Install time — water off about 1 hour

6-Mo

Money-back, no questions asked · install non-refundable

How the FCD Works — Four Steps

1

Installs between two pipe joints right after your water meter — water off about one hour

2

Creates a slight back-pressure that extends back through the meter, reducing air, gas, and turbulence

3

Delivers a laminar-like flow profile through the meter — the condition it was calibrated to read

4

Meter reads accurately. Bill drops. Your process, pressure, and recipes are effectively unchanged.

FREE SAVINGS ESTIMATE

Instant estimate — takes 30 seconds, no contact info required.

waterflowinnovations.com/water-bill-savings-calculator

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CERTIFICATIONS

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316L Stainless Steel · Made in USA
Under 0.8 psi pressure loss
Lifetime Transferable Warranty