



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

Water Flow Innovations LLC

Flow Conditioning Device (FCD)
waterflowinnovations.com

Your sterile processing, HVAC, laundry, and dietary systems all draw from the same supply — but your meter counts more than arrives. **Steam sterilizer demand, cooling tower makeup, and commercial laundry cycling create the conditions for air, gas, and turbulence to form in the line at your meter — and you're billed for it.** The FCD (Flow Conditioning Device) corrects the measurement. Every clinical system stays the same. 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 HOSPITAL WATER METERS OVER-READ

The Core Problem: Hospitals Have the Highest Simultaneous Demand Density of Any Building Type

Hospitals run steam sterilizers, HVAC cooling towers, commercial laundry, and dietary prep — all from the same supply meter, around the clock. Each high-velocity demand event generates air, gas, and turbulence in the line at the meter. Clinical water quality is controlled downstream of the meter. The FCD corrects measurement at the meter without changing any clinical parameter or patient care system.

THE THREE OVER-READING SOURCES UNIQUE TO HOSPITALS



Steam Sterilizer Demand

Central sterile processing steam sterilizer boiler feedwater demand creates high-velocity demand events — generating air, gas, and turbulence at the supply meter on every sterilization cycle throughout every shift.



HVAC Cooling Tower Makeup

Hospital HVAC cooling towers cycling continuously with building load create sustained variable demand — one of the most consistent over-reading sources in any large facility, running 24 hours a day.



Commercial Laundry Demand

Hospital laundry systems processing linens, gowns, and scrubs create repeated large-volume fill-wash-drain demand events — compounding sterilizer and cooling tower over-reading on every billing cycle.



Your Water Intensity Per Patient Day Is Better Than Your Meter Shows — and It Matters for Joint Commission & CMS

Hospital sustainability reporting tracks water intensity per patient day for Practice Greenhealth, ENERGY STAR for Healthcare, and CMS Environmental Sustainability. When the meter over-reads, every figure is inflated. After FCD installation, metered intake reflects true use — improving the accuracy of all reported metrics, auditable from utility bills for board-level sustainability reporting.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Sterilizer demand inflates meter every cycle
- ✗ Cooling tower compounds over-reading 24/7
- ✗ Water intensity per patient day overstated
- ✗ Sewer charge tied to inflated meter



WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Sterilizer demand reads accurately
- ✓ Cooling tower makeup measured correctly
- ✓ True water intensity per patient day revealed
- ✓ Sewer charge based on real usage

5–30%

Average water & sewer bill reduction

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. Every clinical system, sterile processing protocol, and patient care service is 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

IAPMO NSF/ANSI/CAN 61 KIWA GMP SQF

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