



Applying the Physics of Water
Usage into Revolutionary
Sustainable Savings

Water Optimization Capabilities

- National Expertise**
Seamless project execution with a credentialed industrial network (NMIN).
- Smart Insights**
AI-powered Looking Glass Platform detects water issues and delivers solutions.
- Utility Consulting**
Nationwide services to reduce costs and resolve utility challenges.
- Efficiency Design**
Proprietary plumbing designs maximize savings.
- Leak Detection**
Precise, advanced solutions for identifying and resolving leaks.
- Innovative Tech**
Convert water pressure into energy with Power Grid Conversion Technology.

Proven Valve Technology Powered by Flow Dynamics

U.S. Patent 1: 8,707,981
Approved 2014

IAPMO R& T Certifications
(UPC)

EU Certified

U.S. Patent 2: 10,544,569
Approved 2021

NS167
(Potable Water)

U.S. Patent 3: 11,016,512
Approved 2021

NSI 372
(Lead Free)



Turnkey Project Spotlight

Brio delivers seamless planning, installation, and optimization by combining exclusive, triple-patented Flow Dynamics valves with other industry-leading technologies.

Through proprietary plumbing and efficiency strategies, we provide tailored solutions for large commercial and industrial projects.

Our integrated approach achieves instant, whole-building efficiency improvements at 200-300% global market standards, and setting a new benchmark in water optimization.

Sustainable Savings & Distinguished Clients



**Short-Term
ROI**



**Reduce Water-System
Maintenance**



**Reduce Water
Usage**



**Sustainable
Savings**



**FOOD PROCESSING
FACILITIES**



**BEVERAGE
COMPANIES**



**BEVERAGE
BREWERIES**



**MEDICAL
CANNABIS**



**STUDENT
HOUSING**



**BUSINESS
CENTERS**

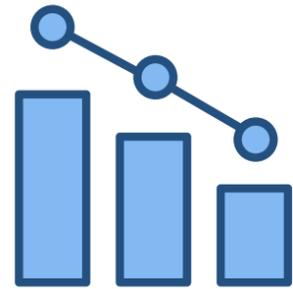


**HOTELS &
RESORTS**

Our Water Optimization Process



Consulting



Analysis



Installation



Water
Efficiency



Optimization



Sustainable
Savings



University Student Dormitories



Rapid Installation for Student Dormitories.

Complete dormitory water efficiency installation in just 4 hours. Ensuring minimal disruption and full resumption of water services during summer break.

Perfect timing, seamless results.



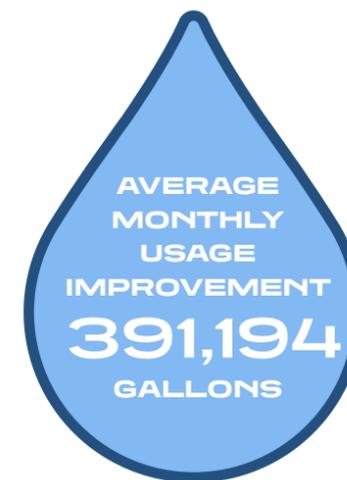
Real World Results: Happy Customers



Assisted Living Facility: Water Savings Achieved

This assisted living facility in Greensboro, NC set out to save 15% on water bills– and our solution exceeded expectations with **52% savings** post-installation. **Efficient, seamless, and guaranteed results.**

Pre-installation Gallons	
08.10.22-09.09.22	689,656
09.09.22-10.12.22	759,220
10.12.22-11.09.22	697,884
11.09.22-12.12.22	834,020
12.12.22-01.11.23	762,960
01.11.23-02.09.23	736,780
02.09.23-03.13.23	792,880
03.13.23-04.12.23	682,176
04.12.23-05.11.23	635,800
05.11.23-06.12.23	727,056
06.12.23-07.11.23	694,892
07.11.23-08.09.23	742,016
01.11.24-02.09.24	861,063
02.09.24-03.08.24	852,834
Average Usage	747,803
Highest Monthly Usage	861,063



Post-installation Gallons	
4/10/24-5/10/24	345,576
5/10/24-6/12/24	316,404
6/12/24-7/10/24	373,252
7/10/24-8/10/24	391,204
Average Usage	356,609
Highest Monthly Usage	391,204

Large Food Processing Plant Yearly Comparison



Maximizing Water Efficiency for WI Processing Plant

A Wisconsin food processing plant sought to reduce water usage in production. Brio delivered a tailored solution, driving measurable savings while optimizing operations.

Efficiency starts here!

Before and After Comparison			
Production Runs	2022/2023 Usage Before Optimization	2024 Usage After Optimization	2024 Improvement
Peas	32,741,081 Gallons used 1,355,793 Cases produced	13,906,366 Gallons used 906,767 Cases produced	39%
Corn/Pasta	14,768,820 Gallons used 388,326 Cases produced	10,497,881 Gallons used 924,804 Cases produced	71%
Potatoes	5,056,359 Gallons used* 172,678 Cases produced <i>*Jan 2024 -the month prior to installation</i>	4,220,397 Gallons used* 193,575 Cases produced <i>*March 2024 -the month after installation</i>	26%

National Brewery: Revolutionizing Brewing with Precision Efficiency

Based in NC, this national brewery combines cutting-edge biochemistry with a passion for brewing innovation.

Partnering with Brio, they optimized water usage by 32%, maintaining perfect flow rates and PSI—empowering smarter, sustainable solutions for industry excellence.



2024 Daily Gallon Average Pre-Installation	
Billing Period	Daily Average Usage
January 5th - April 4th	12,745 Gallons
Installation Completed April 8th	
Billing Period	Daily Average Usage
April 9th - July 31st	8,584 Gallons

Operations Director stated the brewery continued at same **high production level** throughout both periods.

The wort/liter internal production ratio mirrored identical improvement results.

Oct 2023 - Jan 2024, our Looking Glass Platform detected new water issues. We helped client locate an additional 3,500 gallons/day of water misuse, saving an additional 15%+ in water usage.



Capital Venture Firm

ANNUAL SAVINGS
\$89,351

GALLONS SAVED MONTHLY
624,663

GALLONS SAVED ANNUALLY
3,495,962

ROI
6 MONTHS

 **47%**
IMPROVEMENT

Financial Business Center

ANNUAL SAVINGS
\$17,700

GALLONS SAVED MONTHLY
151,864

GALLONS SAVED ANNUALLY
1,822,372

ROI
8 MONTHS

 **36%**
IMPROVEMENT

Prominent Hotel

ANNUAL SAVINGS
\$37,828

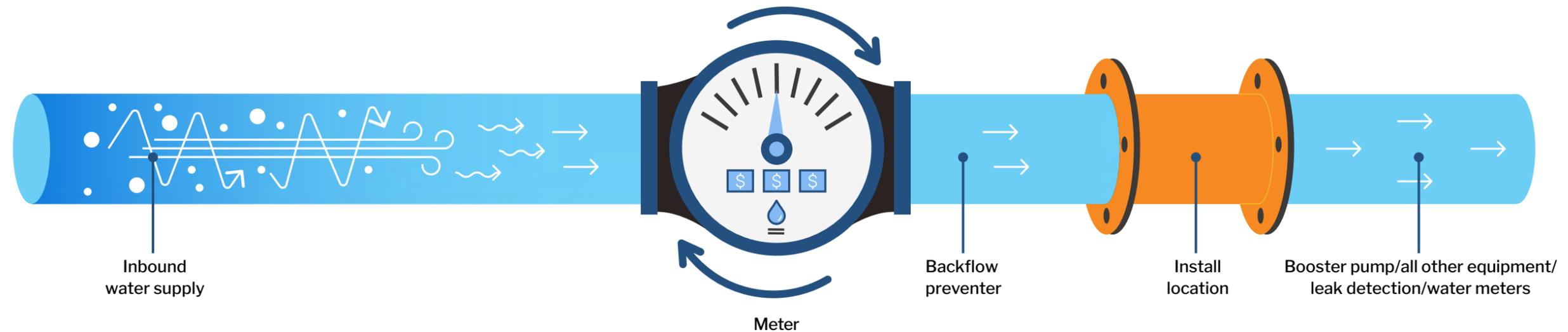
GALLONS SAVED MONTHLY
268,568

GALLONS SAVED ANNUALLY
3,222,815

ROI
8 MONTHS

 **34%**
IMPROVEMENT

Our Turnkey Installation Process

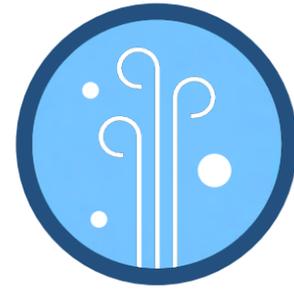


Installed downstream from the back flow preventer and before all other equipment.

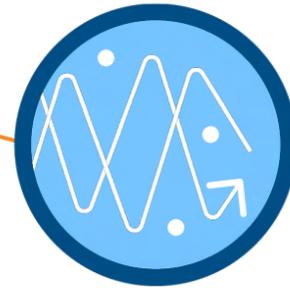


Uncontrolled flow with cavitation and imbalances are now converted to **laminar flow** with installations. Brio's water optimization installations are one time only with no maintenance required. Efficiency starts immediately and the savings go on in perpetuity.

We Make the Water System Better by Solving



Pressure Imbalances
(Wasteful Water Use)



Cavitation
(Air)



Meter Corrections
(System Inaccuracies)





THANK YOU