

# SAVE UP TO 40%

ON YOUR WATER WITH AN BRENFLOW WATER SAVER VALVE

**Brenflow Water Saver Valves (BWS) typically save 10-25% of your water costs, sometimes up to 40%**

## WATER METER SAVINGS VALVES

The BWS eliminates utility charges for any volume of air naturally present in your water by compressing that air, so the majority of it is immeasurable.

Over the years, there have been a number of valves on the market, but the **older 'first-generation' valves were not externally adjustable** which is important to maximize savings after installation. Although second and third-generation valves are similar, the **'third-generation' produces better results** especially in buildings with higher or lower incoming water pressure, zones, or with sensitive equipment.

**The reason the BWS performs better is that it does not restrict water flow.**



### A 39 storey condominium example:

This condo had a higher incoming PSI of 89. A Smart Valve was initially installed but only achieved 7% savings set with the maximum adjustment possible without creating water pressure issues. We replaced it with the **new 'third-generation' BWS valve and the site more than tripled their savings overnight.**

Older valves like the Smart Valve are 'flow reducers' which limit water savings and can create water pressure issues. The BWS uses an action loaded piston which creates a pressurized column of water removing turbulence instead of reducing water flow.

**For example, a 4" Smart Valve is only 1.9" inside whereas a 4" BWS is 4" inside. Water comes into buildings with pipes that gradually get smaller and smaller without sudden interruptions in pipe size.**

While there are custom solutions addressing metering accuracy, there are no other pressure adjustable, single-point-of-installation solutions on the market currently that do not restrict water flow and that do not potentially cause grounding issues

How much you will save depends on how much turbulence is in your water, which is impossible to measure but 10-25% is very typical. How much the valve can be adjusted to maximize savings depends on your equipment and/or booster pump specifications and your incoming PSI.

## MARKETPLACE / COMPETITION

| Features   | Third-Generation BWS | Smart Valve | H2-O Valve and other inline valves |
|--|----------------------|-------------|------------------------------------|
| Unobstructed flow of water - does not restrict water flow                  | ✓                    | ✗           | ✗                                  |
| Suitable for use with grounded water lines                                 | ✓                    | ✗           | ✗                                  |
| Pressure adjustability for maximum savings                                 | ✓                    | Limited     | ✗                                  |
| American National Standards Institute (ANSI) standardized mounting options | ✓                    | ✗           | ✗                                  |
| All sizes available off the shelf  | ✓                    | ✗           | ✗                                  |

# The patented **BRENFLOW Water Saver Valve** eliminates water meter inaccuracy and excessive water consumption.

## Reduce Water Overconsumption

Lower your expenses related to excessive water usage.

## Extend Plumbing Fixture Lifespan

Reduce repair and maintenance costs by increasing the longevity of plumbing fixtures.

## Prevent Pressure Surges

Prevent pressure surges from reaching the water meter, ensuring it operates within its designed flow range.

## Boost your Property's Appraised Value

Enhance the appraised value of your business or property.

## Maintain Continuous Operation

Keep your operation running smoothly - the BWS can be adjusted externally without shutting off the water or remixing it.



## HOW DO WATER METER SAVINGS VALVES WORK?

The technology used in achieving such substantial savings is “hydraulic intensification” where a column of water is pressurized against the incoming flow of water. This action produces a shockwave traveling back over the water meter reducing the size of the entrapped air to an undetectable volume, in addition to taking turbulent flow and rendering it laminar. In combination, these actions reduce the consumption reading of the meter to only read a true, solid column of water without air or turbulence.

Businesses also using this technology include: **MillerCoors, Coca-Cola, Maple Lodge Farms, Nova Steel, Magna International, Holiday Inn, Michigan Hospital Laundry, Tyson Foods, Butterball and McDonald's.**

## ANNUAL WATER SAVING ESTIMATES

| Annual Water Spend | 10% Annual Savings | 15% Annual Savings | 20% Annual Savings | 25% Annual Savings | 30% Annual Savings |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| \$100,000          | \$10,000           | \$15,000           | \$20,000           | \$25,000           | \$30,000           |
| \$150,000          | \$15,000           | \$22,500           | \$30,000           | \$37,500           | \$45,000           |
| \$200,000          | \$20,000           | \$30,000           | \$40,000           | \$50,000           | \$60,000           |
| \$250,000          | \$25,000           | \$37,500           | \$50,000           | \$62,500           | \$75,000           |
| \$300,000          | \$30,000           | \$45,000           | \$60,000           | \$75,000           | \$90,000           |
| \$500,000          | \$50,000           | \$75,000           | \$100,000          | \$125,000          | \$150,000          |
| \$1,000,000        | \$100,000          | \$150,000          | \$200,000          | \$250,000          | \$300,000          |

## ALERT LABS

An Alert Labs Flowie-O Meter is used to verify savings in real time.



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FOR YOUR NO COST OR OBLIGATION PROFILE AND QUOTE.