

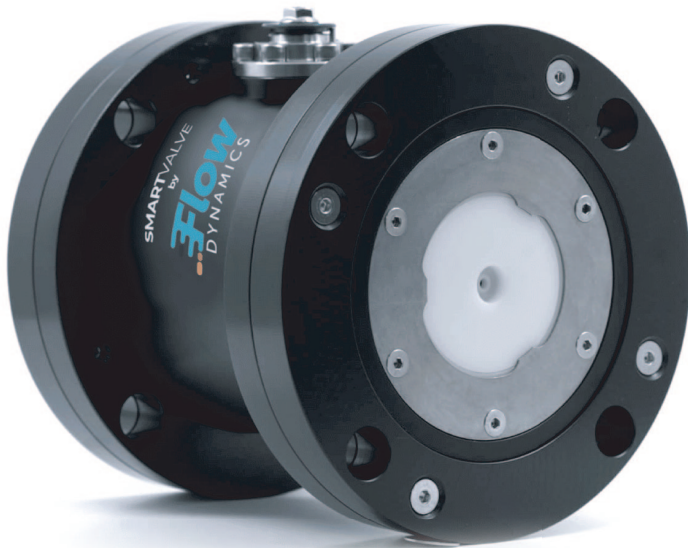


# THE SMART VALVE™

## REDUCE WATER & SEWER BILLS UP TO 30%

### IS YOUR BUSINESS PAYING TOO MUCH FOR WATER AND SEWER COSTS?

Brilliant Source Energy has an innovative new solution that can help you save 10 to 30% on your monthly water bills with a quick payback period - The Smart Valve.



### WHAT IS THE SMART VALVE?

The Smart Valve is a patented, cost-effective retrofit installed on your side of the water meter. It works 24/7 to maximize water pressure and decrease metered water consumption, reducing utility costs.

### HOW DOES IT WORK?

- Eliminates billing for entrapped air that gets measured by water meters
- Stabilizes water flow and pressure to ensure accurate meter readings
- Reduces excessive water pressure to prevent overconsumption and leaks
- Acts as a shock absorber against damaging pressure surges



Once installed, The Smart Valve requires no maintenance. You simply “set it and forget it” and watch the savings add up on your monthly bills.

### GET A FREE ANALYSIS

Our engineers can analyze your past 12 months of water bills to determine if The Smart Valve is a good fit for your facility. If the projected savings are significant, they'll custom design a Smart Valve™ system with frequent payback under 1-2 years.

Don't keep overpaying for water and sewer services. Get a free water bill analysis and start saving with The Smart Valve!

### SOLVING FUTURE CHALLENGES TODAY

Brilliant Source Energy works on behalf of its clients, as an extension of their team, to help achieve goals.

Vendor neutrality allows Brilliant Source Energy to act as client advocates first, tailoring made-to-order solutions for each customer without bias towards specific vendors or products.

**REDUCE WATER & SEWER  
BILLS UP TO 30%**

## SPECIFICATIONS & TECHNICAL DATA

### THE SMART VALVE IS INSTALLED ON THE USER SIDE OF THE WATER METER

The valve is made in flanged and threaded configurations according to your system pipe design. The Smart Valve will be installed by a licensed plumber.

All installations should include gaskets on flanged units or pipe tape on threaded units to prevent water leakage.

### CUSTOMIZED SPECIFICATIONS

Each Smart Valve is built to exact specifications based on the specific water system parameters. Spring tension is calibrated based on the users' pressure and flow profile. The existing pipe configuration determines connection types.

### CONSTRUCTION

The Smart Valve is made primarily of Acetron GP, a solid, self-lubricating space-age resin created by Quadrants. Acetron GP is the material of choice when precision parts are required for impact and wear resistance in various industrial and mechanical applications.

With low, consistent internal stress, this material experiences little dimensional change during use.

Acetron GP is also an ideal material for use in wet environments because it resists moisture, will not accumulate particulates, will not rust, and self-seals exceptionally well, eliminating the need for seals and gaskets that would wear out, making Acetron GP the ideal choice for The Smart Valve. All non-Acetron GP components are manufactured from food-grade stainless steel.

### CONFIGURATIONS

- The Smart Valve is available in the following standard plumbing sizes: 5/8", 3/4", 1", 1.5", 2", 3", 4", 6", 8", 10", 12" Larger sizes available on a custom order.
- Sizes 2" and below are female double threaded. Sizes 3" and above are flanged on both ends with a standard bolt pattern.
- Ask for special sizes or configurations.

### SPECIFICATIONS

- Valve body, plunger, backplate: Acetron GP
- Shaft, spring: Food-grade Stainless Steel

