W Valve

What is the W valve?

The W valve is a valve whose intellectual property is protected by patent in the United States Patent and Trademark Office.

Our valve was developed over a 10-year period of extensive research and testing with hydro technology resulting in the engineering of several dimensional water management valves suitable for each size of major water portals of commercial and residential units.

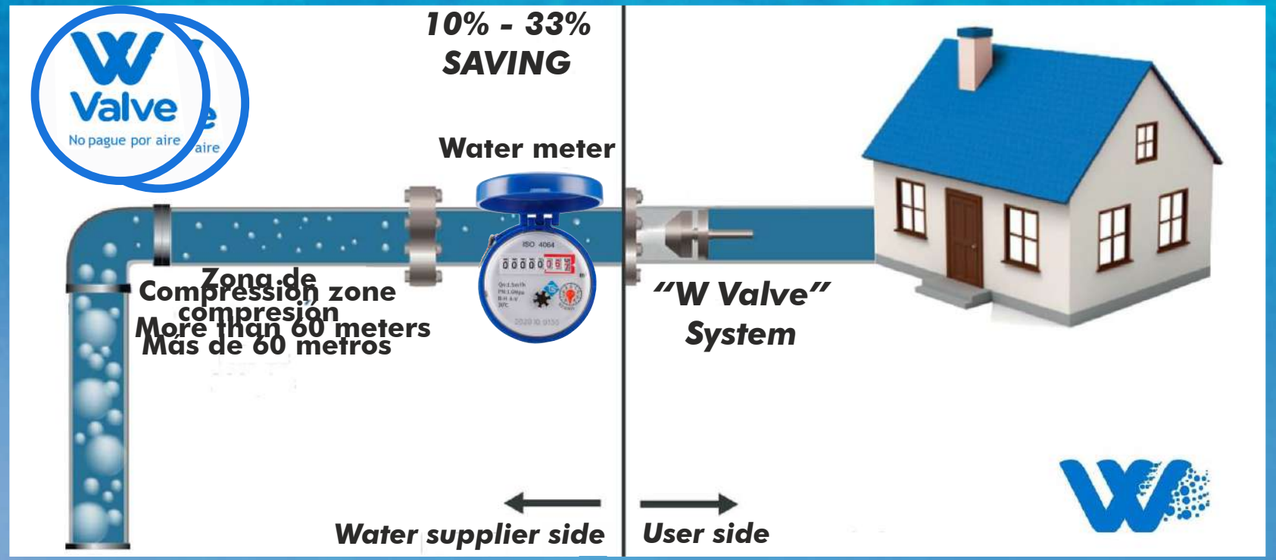
The result is efficient control of water consumption without compromising comfort, water pressure or lifestyle.

The technology developed in the design of our valves uses an innovative system that regulates and reduces the meter reading for water consumption, significantly reducing the amount of the municipal supply service bill.

It allows savings, offering a true reading of the flow of water consumed, the user of our valve only pays for the water consumed, not for the air that passes through the pipes.

"W Valve" is a system that prevents the waste of drinking water, respects its consumption, being a patented system for domestic and industrial use that contributes to the reduction of the cost of the drinking water supply service.

How the "W Valve" system works



What causes the problem?

Water piped through the public drinking water supply network is distributed through a maze of pipes that vary in both size and depth.

Water is made up of hydrogen and oxygen, therefore, in the process of water distribution, there can be many variables that can have a direct impact on the efficiency of distribution, but the biggest of these variables is turbulence or friction which causes the oxygen contained in the water to form bubbles.

A water meter or counter CANNOT distinguish between what is air and what is water and as a result, the meter continues to spin at faster revolutions, therefore, for years, consumers have been paying not only for the reading of WATER, but also for AIR.

Important facts
Idea process in the development of the water valve:

- Water is made up of hydrogen and oxygen. - As we have already mentioned, in the water distribution process, there can be many variables that can have a direct impact on the efficiency of the distribution.
- The variable that has the greatest influence is turbulence or friction that causes oxygen to form bubbles.
- Also influencing the equation is the fact that the water is distributed through a labyrinth of pipes that vary in both size and depth.
- As a whole, when passing through the pipes, it is not possible to differentiate between air and water.
- The result is that the air bubbles cause the water meter or counter at the entrance to the home or building to rotate at faster revolutions.
- The customer pays on their monthly or quarterly bill for both air and water.
- Air can increase the volume of water passing through the water meter by up to 40%.
- Keep in mind that, by nature, H2O will always have some air.

How does the W valve work?

- W technology creates a compression zone of up to 200 feet (about 60 meters), which minimizes the air that builds up in the water pipes before it reaches the water meter, thus allowing that once the water reaches the meter it does not contain air, being ONLY WATER what the meter or counter registers, so the revolutions of the water meter will slow down as a result of this action, avoiding an unwanted increase in the bill.
- This combination of water and air control will result in customers saving up to 32% per month in commercial installations.

REASONS TO SAVE WATER

There are countless uses for water and the need for it is irreplaceable

1. Only 1% of the Earth's water is suitable for human consumption. Less water available for consumption means a higher cost for it.

2. According to data collected from www.ensia.com, since 2007, the price of water in cities has increased considerably faster than the total cost of living.

3. Water is of vital importance in sectors related to health, industry, society and the economy. Without it, communities suffer from poverty, hunger, and lack electricity.

USERS

Where can the "W Valve" be installed?

Supermarkets	Shopping Centers
Hotels	Tourist Complexes
Campings	Golf Courses
Stadiums	Sports Complexes
Buildings	Industries
Airports	Hospitals
Schools	Universities
Car Washes	Ice Factories
Farms	Neighborhood Communities

IIMPORTANCE OF "W Valve"

1.- In a pressurized hydraulic system in operation 24 hours a day.

The flow chain and its pressure must be kept constant, so that there is no BACK FLOW, which refers to the backflow in the water supply pipe network.

The technology used by our valve is based on the same pressure generated by the company providing the water supply service of the municipality; therefore, by adequately measuring the pressure needed for the expanded bubbles that reach the meter or counter to be reduced to their minimum expression; and counting on the thrust pressure, the valve, despite being installed immediately after the meter or counter in the connection, generates a resistance, which allows the same pressure that we have mentioned to reduce its size, and when passing through the meter or counter; increasing the possibilities that the meter or counter performs the water flow count more accurately, offering a real reading of the water to be billed.

Depending on the pressure, the bubble reduction columns can be from 2 to 6 meters of column, prior to the meter or counter, making it possible for the valve to have the expected positive effect and reduce the excess of undue billing.

The valves' measurements range from 1 inch to 16 inches.

Benefits for the user when installing our valve: The meter measurement is used to record the flow rate that passes through the mechanism, this flow rate is the one that offers the measurements to be billed according to the drinking water rate, and at the discretion, another higher rate is charged for the water discharged into the sewer, which is more expensive than the drinking water rate because it is contaminated.

That is, if the bill for the supply of drinking water to the user is €100.00, it is possible that the user pays an additional €115 for waste water; the use of the valve allows that, if the bill reduction is 10%, the savings are in both flow rates (Potable and Residual).

Our System Qualities

Product Quality:
Surgical grade stainless steel, the best available on the market.
10-year guarantee on system performance.
We are so confident in the outcome, that we guarantee at least 10% savings on your water bill.
If our system fails to live up to this promise, we will give you a full refund.
Sizes from ½ inch to 16 inches.
We can customize any valve to suit the water pressure of the facility.

FAQs

Do you need any approval before installation?

No, the valve is inserted on the private side of the property.
We are not altering or tampering with any municipal property.
And the customer does not need to apply for any prior approval or permit to install the W Valve.

Does the valve affect my pressure or flow rate?
No, the W Valve does not affect the flow rate that reaches the end user.
The customer may experience a 1-3 drop in water pressure, however, at a standard level of 60-65 psi, this type of loss will not even be noticeable to the consumer.
This loss is also a benefit because that minimal decrease in pressure will help mitigate waste and overuse.

How much pressure can the valve handle?
The W valve has been tested to handle up to 185 psi, which is clearly more than enough for most commercial applications.

Valve

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FACILITY

Step 1

Step 2

Step 3

Step 4

CUSTOMERS

Results

Renaissance Hotel & Casino, Curacao 23% savings
EB Hotel, Miami 33% savings
Mary Brickell Village, Miami 20% savings
Gus Machado Ford, Miami 20% savings
Park Presidential Apartments, Atlanta, GA. 20% savings
Burger and Beer Joint, Miami 26% savings
Brickell On the River, Miami 20% savings

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