

# Water Conservation

Preserving our planet's more precious resource



## Gallons per Minute (GPM) Technology

Most water users use water for a certain amount of time rather than a specific volume, so by regulating the flow passing through the VFS (Vertical Flow System) at certain points it will result in less water being used throughout the property. Water systems are designed for more water than they actually need. This is the reason we are able to set our system to reduce approximately 30% of water in non-volumetric applications.

Operating costs and environmental impacts are greatly influenced by water usage. Industry estimates suggests that implementing water saving and energy efficient strategies in commercial facilities can decrease the operating costs by approximately 10-15%.

The GPM 2k is installed to regulate flow throughout an entire facility while maintaining and balancing pressure for non-volumetric usage such as sinks, showers, irrigation etc.

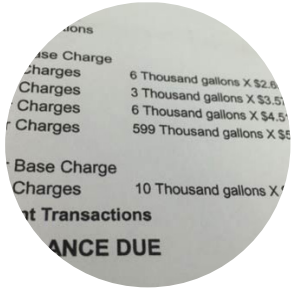
### Water Savings from the GPM 2K



	Shower	Faucets	Vehicle Cleaning	Laundry	Irrigation
Time (mins)	10	In a day	20	Per Load	30
With GPM 2K Gallons	16.8	17.8	95	30	31
Without GPM 2K Gallons	25	26.7	145	45	44
Savings Gallons	8.2	8.9	50	15	13

Please note that these calculations were derived for the following conditions: Consumer is at 230 feet above ground floor at approximately 23 stories. The outlet diameter is 2 inches. Time consumption for each application is taken from the United States Environmental protection agency. The following calculation is based on theoretical assumptions. The actual savings may slightly vary from the previous values.

Our company completes water conservation audits for high water consumers to determine if their properties qualify for the GPM 2k system. Our process consists in 4 simple steps:



### Documents

The client provides copies of the most recent 2 years of water bills and sewer.



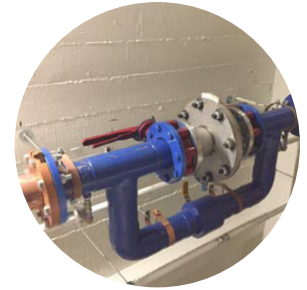
### Site Survey

Our consultants complete a site survey to get full understanding of the facility's overall usage



### Recommendation

The information is taken back to our engineering team to recommend the systems required.



### Implementation

Our engineering team performs the required installation and implementation.

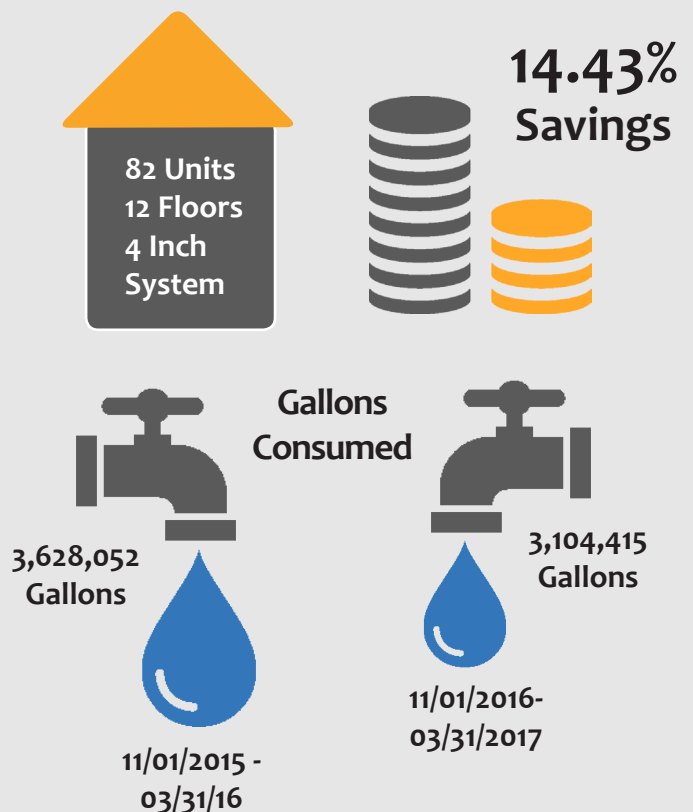
## Who should install the GPM 2K Series?

- High rise / Multifamily Residential
- Hotels and Resorts
- Healthcare / Hospitals / Senior Centers
- Laundries (works on rinse cycle)
- Food manufacturing plants
- Car washes
- Golf courses - Parks and Recreation
- Agricultural (Farming)
- Any Large Consumer of Water

## The Benefits

- More precision in controlling the amount of flow.
- Customized and calibrated on site
- Balances High Pressure Leading to Lower Consumption.
- Allows for sediment and debris to pass through without restricting flow.
- Does not claim to reduce or constrict air bubbles in the water line.

## Case Study: Silverstein Properties



1. Contact DVM Industries today to Setup a Site Audit.
2. Develop ROI Analysis & Payback including incentives.
3. Develop Action List with DVM Team.

[www.dvmindustries.us](http://www.dvmindustries.us)

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