

# Meliá Orlando Suite Hotel at Celebration

## Reduces Water Costs by 16%



In an effort to meet corporate sustainability goals, Meliá Orlando Suite Hotel at Celebration, conveniently situated minutes away from Walt Disney World Parks, Sea World along with Universal Studios Orlando, has implemented multiple “green” technologies that reduce energy and water usage to help protect our fragile environment. With the help of energy efficiency consulting services from **Gone Green Earth**, Meliá successfully installed two patented **SMART VALVE™** solutions.

### The Solution

After careful analysis of the plumbing distribution system in the complex, the plumbing technicians installed the patented valve on both the hotel irrigation line and the main water line in February of 2017. Savings of 16% on the irrigation line and 14% on the main water line was immediately realized. All of this was accomplished without a change in water pressure being detected by the guests.

### How it Works

**SMART VALVE™** is an innovative patented product designed to improve water meter accuracy and achieve water conservation. Installation of **SMART VALVE™** on the owner’s side of the meter set will reduce consumption readings, thereby reducing monthly water & sewer bills. **SMART VALVE™** is specially designed to maintain PSI at a constant level throughout the water distribution system. Flow speed is varied, keeping head pressure constant. As a result, water meter readings for non-volumetric applications will be reduced anywhere from 10 to 35%. The **SMART VALVE™** solution creates a solid back core of pressure to reduce air pockets and increase meter accuracy. If high line pressure exists, it is also a pressure reducing valve protecting all of your downstream components and eliminating meter “spinning”.

*“After **Gone Green Earth** analyzed our meter and water delivery system, the **SMART VALVES™** were seamlessly installed and the solution was undetected by our hotel guests. The valves continue to work perfectly while decreasing our water and sewer costs by a combined 16% annually on the main and irrigation lines.”*

**Meliá Financial Controller**

## Project Snap Shot

**Before SMART VALVE™**

Monthly Water Usage—22,000 Gallons

**After SMART VALVE™**

Main Water Line Savings – 14%

Irrigation Line Savings – 29%

**Annual Savings - \$15,250**

**5 Year “PROFIT” - \$61,000**

**Return on Investment**

**12.42 months**

## Solution Benefits

- » Correcting water meter measurement by reducing over-spinning
- » Decreasing water consumption by regulating flow with an insignificant change in pressure
- » Minimizing "air slug" or pockets of air in the water line
- » Reducing higher than desired water pressure



For more information, please contact:

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# SMART VALVE™ Value Proposition

**SMART VALVE™** with its patented spring supported piston, offers many benefits that reduce your water and sewer bill including:

- **Maximized Savings** - Custom engineered to your specific situation
- **Safe for Potable Water** – Meets or exceeds NSF/ANSI Standard 61/372, FDA, ASTM and IAPMO
- **Reduced Water Meter Errors** - Maintains constant water pressure
- **Eliminates Exaggerated Readings & Lowers Water Volume Charges** - Compresses “air slug” or pockets of air bubbles
- **More Accurate Meter Readings** - Steady and constant flow across the spectrum of water pressure and flow rates
- **Protects the Integrity of Your Water Distribution System** - Absorption of high pressure surges and drops
- **Long-Term Peace of Mind** - Requires no maintenance and includes a 10 year limited warranty
- **Lowered Consumption** - Reduces excessively high pressure while being virtually undetectable by the user
- **Eliminates Costly Individual Flow Regulators** – They are no longer necessary to reduce water costs
- **Quality Materials and Workmanship** - Made in the USA of stainless steel and Delrin®
- **Rapid Return on Investment** – Typically, 12 to 14 months or less

## About Gone Green Earth

Incorporating techniques optimized from over 20 years of successful technology consulting experience, **Gone Green Earth** has developed a unique approach to sourcing and implementing energy efficiency retrofit solutions that save money while assuring a successful implementation. Services include energy auditing that leads to developing a powerful return on investment for projects of any complexity, request for proposal (RFP) creation/execution, RFP response analysis and project management.



**SMART VALVE™** Installation

## About Meliá Orlando Suite Hotel

Old world charm meets new world design and contemporary comfort at Meliá Orlando Suite Hotel. Wild orchids grace tabletops and large-scale impressionist paintings combine with mosaic walls, creating an atmosphere that is both European and American Chic. Situated just minutes from Walt Disney World, Meliá Orlando Suite Hotel is an oasis located in one of Forbes Magazine’s Top Ten “Prettiest Neighborhoods” – the cozy town of Celebration. A world class staff is ready to help get you to and from any of the surrounding parks – Sea World, Universal Studios Orlando, Epcot, Magic Kingdom, Animal Kingdom, and other theme parks – or simply help you make a reservation to a nearby wine tasting. For those looking for a Florida Golf Vacation, the Celebration Golf Course, with its immaculate landscaping and lush greens, will have you ready to tee off in no time. First class food, fun in the sun, and all of Florida’s finery are ready to greet you upon your arrival. For more information, please call 407-964-7000 or email [melia.orlando@melia.com](mailto:melia.orlando@melia.com) or visit: [www.meliaorlando.com](http://www.meliaorlando.com).

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