INTERNATIONAL

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Hunter® Headlines

Irrigation News & Insights

A Simple and Easy Way to Save Water

For irrigation professionals, it's an international issue that knows no borders. It seems that no matter where you are in the world, water conservation is the top priority. And the simplest way to prevent wasting this precious resource is by taking every opportunity to install the type of irrigation equipment that uses less water and makes irrigation more efficient.

Senior Product Manager Kevin Gordon

At a media forum on *The Future of Irrigation*, held recently in Southern California, Hunter Industries' senior product manager Kevin Gordon spoke about water conservation, addressing the subject of how to choose the proper irrigation components.

"By using 'passive water saving' irrigation equipment correctly, enough water is saved from four residential systems to provide enough extra water for a fifth system." (Gordon noted that this is true if pressure regulation, check valves, and rain sensing are used. He refers to these added products as *passive water savers* because they require no customer interaction once installed.)

That's a pretty impressive statistic.

"Water conservation is a worldwide issue," said Gordon. "And one of the easiest, most affordable ways to start making an irrigation system into a better water saver is with a rain sensor."

Required by Law in More Places

Today, at least 14 states in Australia and the United States have either a statewide law, or have municipalities that have enacted local ordinances, making rain sensors a compulsory piece of equipment on **all new irrigation systems**.

The cost to the customer for a rain sensor is still low enough to have little or no problem getting them added to their system…especially when shown how a rain sensor more than pays for itself in reduced water costs.

The sensor compensates for the amount of rainfall that occurred, and the system remains off until the landscape requires irrigation once again. Because unnecessary irrigation does not occur, water is not wasted and money is saved.

Adding a rain sensor to either a new or existing irrigation system is easy. All of the controllers in Hunter's line up are equipped to accommodate a rain sensor and installation requires nothing more than mounting the sensor and attaching it to the controller. Just plug it in and you're ready to go.

All Hunter Sensors are Feature-Filled

Hunter offers three different rain sensors: Mini-Clik®, Rain-Clik™, and Wireless Rain-Clik™. All of them include a number of great sensor management features (and, of course, the latter offers the hassle-free alternative of a wireless installation):

- Dedicated sensor terminals on valve terminal strips of all Hunter controllers.
- "Manual" operations bypass sensor system shutdown for easy maintenance.
- Sensor bypass switches on XC, SRC *Plus*, Pro-C, ICC, and ACC controllers.
- Programmable sensor bypass available on the new XC and ACC controllers. (Individual valve zones can be chosen and programmed to run independently of sensor shut down. Ideal for patios, atriums, or water features to operate while outside zones affected by weather are in sensor shut down.)
- Hunter's unique Quick Response™ feature on the Rain-Clik models. (Immediately shuts off system operation at first hint of rain, with no precipitation "accumulation time.")
- Easy new gutter mount permits mounting directly to the side of a gutter (instead of having to find an obstructed location).

If you're looking to save water, there's no need to wait until it becomes an act of law to do so. Add a Hunter rain sensor to your irrigation system and start saving this precious resource—as well as saving your money—today!

Maracanã Upgrades for 2007 Pan-Am Games, World-Class Hunter Products Chosen for Irrigation

ICV

I-41

ICR

Mini-Clik®

ICC

Maracanã Stadium has been home to some of the greatest artists that the world of international football has known. Pelé. Garrincha. Zico. Ronaldo. They have all put their greatest work on display at Rio de Janeiro's venerable arena.

As for the canvas where they have displayed their artistry? A world-class name has made the turf lush and beautiful over the years and has been chosen to do so once again. The name is Hunter.

Maracanã has recently been completely redeveloped for the opening of the 2007 Pan-American Games, which will take place in Brazil's most famous city. The pitch, irrigation, and drainage have all been renovated, as well as the stalls, standing areas, journalists' areas, changing rooms, and security.

As with the last stadium upgrade, Hunter was asked once again to play a major role in the project. This stadium redevelopment was done to the same standards as European pitches and in accordance with FIFA regulations, whose main concerns are safety measures for spectators and athletes alike.

Several companies bid on the project, and while some even went as far as to offer deep discounts due to the scale of the work, Maracanã's authorities were not swayed.

A complete Hunter system was chosen because of its reputation for reliable performance and strong product guarantees. The Greenleaf Company of Rio de Janeiro, experts in sports turf irrigation, was selected to install the complete system with cooperation from technicians from Mundoc do Brasil Ltda, one of Hunter's Brazilian distributors.

Once the survey was completed, the local evapo-transpiration rates, soil conditions, and drainage requirements were carefully determined before choosing the specific Hunter products to perform the most efficient and reliable irrigation of this sports landmark.

In the end, the decision was easy. Fifty Hunter I-41 ADS sprinklers and Hunter ICV valves were installed, along with Hunter ICC controllers covering 24 valve zones. The controllers have also been programmed to operate the stadium's nighttime security lighting system.

Additional items used include Hunter's Mini-Clik™ rain sensors and Hunter's PSR pump start relays, plus Hunter's ICR Remote Control Systems, which are used in the maintenance of the pitch area.

In all, the project to fully redevelop the pitch took 58 days to complete, including a massive excavation.

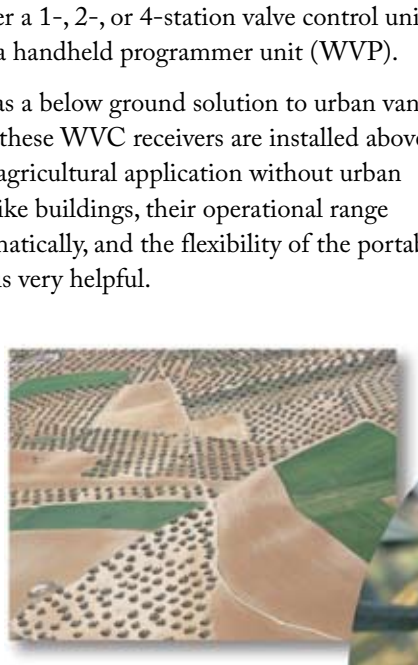
The 2006 World Cup is history now and the title resides in Italy. But the road to 2010 and South Africa will soon begin and the hallowed turf of Maracanã will be ready, once again, for the magic feet of Brazil's football superstars in their quest to reclaim their status as the world's best. H

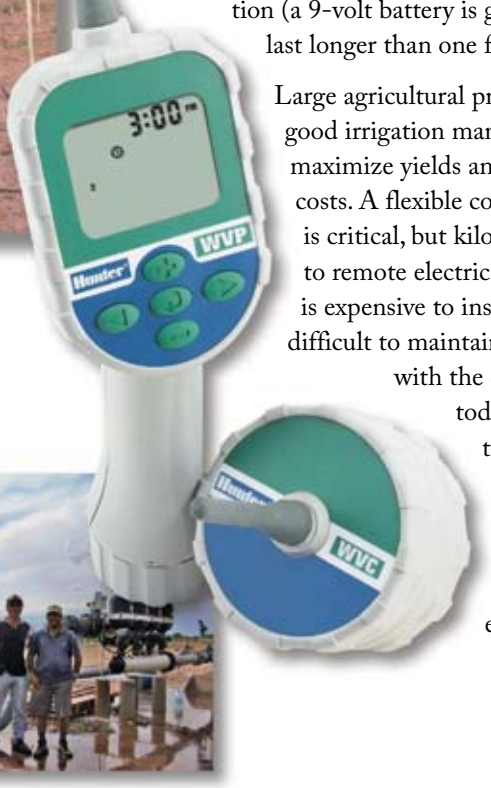
Management of Large Systems Made Easy

Large agricultural systems have many similar requirements to large turf landscaping systems. Success and profitability always rely on good management. In turn, good management relies heavily on the flexibility and reliability of the control system.

One of Hunter's solutions to irrigation system control is the unique Wireless Valve System, which is comprised of either a 1-, 2-, or 4-station valve control unit (WVC), and a handheld programmer unit (WVP).

Usually used as a below ground solution to urban vandalism, when these WVC receivers are installed above ground in an agricultural application without urban obstructions like buildings, their operational range increases dramatically, and the flexibility of the portable WVP device is very helpful.





This type of installation is occurring with more frequency all over the world, from vineyards in France to a variety of farms in South Africa, Japan, and Australia.

One successful example comes from the foothills of the Andes in South America. In the province of Catamarca, Argentina (about 1150 km from Buenos Aires), more than nine dozen WVC units are being used to control the irrigation needs on a 254-hectare olive plantation.

The project in this remote agricultural region had no electrical connections and the cost to bring power to the site would have been cost prohibitive. Plus, any solution that required wiring faced the possibility of damage inflicted by local animals that would eat through the lines.

Working with Hunter distributor Mundoc, the plantation found an economical way to bring automatic irrigation to their landscape: 110 WVC-200 (2-station) controllers that are operated by a pair of WVP handheld programmers.

The WVC boasts a double-sealed battery compartment that withstands water intrusion and it is fully submersible and waterproof up to 3.7 meters. Each valve is set up with its own start time, run time, and day schedule, and features a latching solenoid design for minimal power consumption (a 9-volt battery is guaranteed to last longer than one full season).

Large agricultural projects need good irrigation management to maximize yields and minimize costs. A flexible control system is critical, but kilometers of wire to remote electric control valves is expensive to install and difficult to maintain, particularly with the cost of copper today. That's why the efficient, economical Wireless Valve System makes things easy.

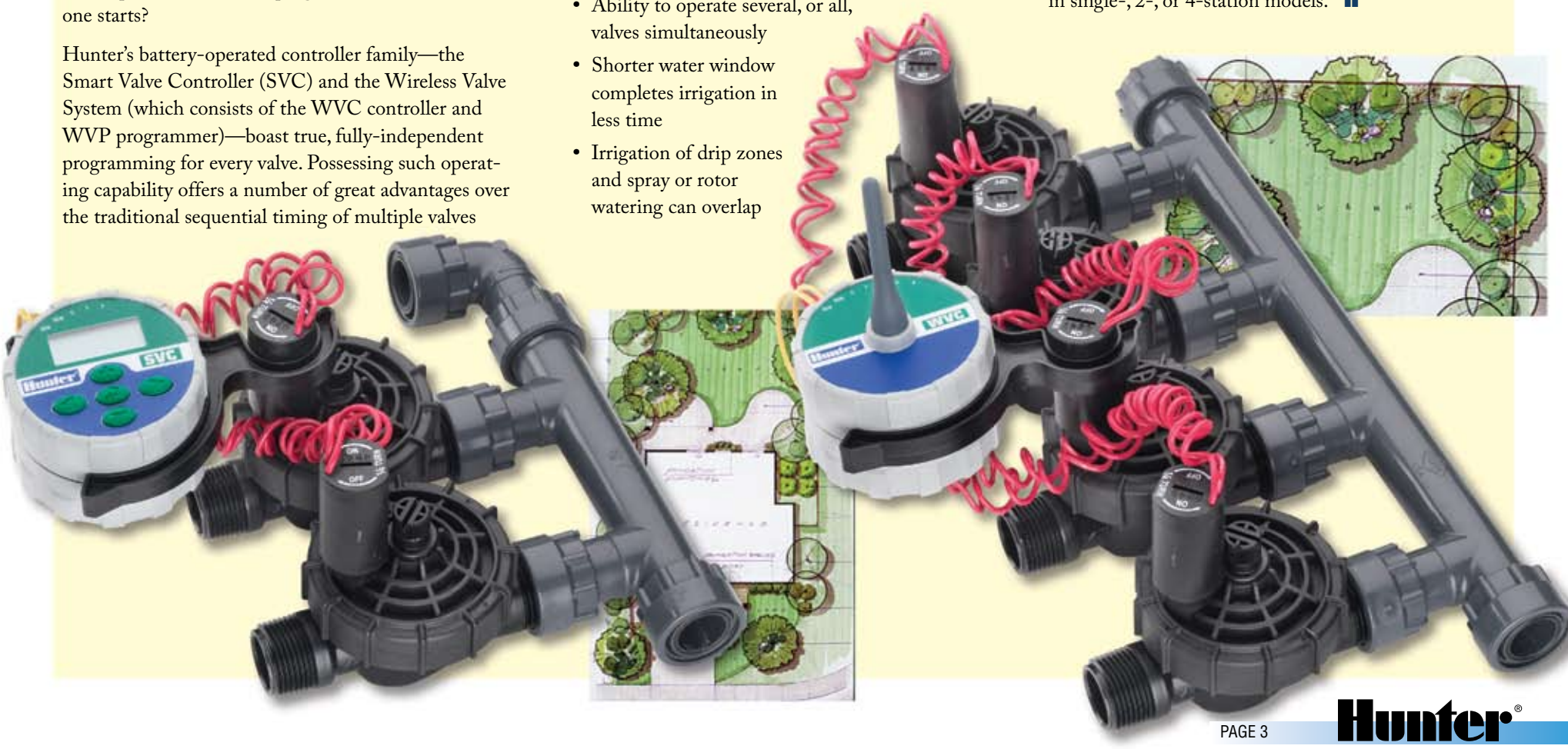
How to Run Multiple Valves at the Same Time

What if you have more than one area on your landscape that needs irrigation in a very limited water window? Or, what if you can't wait for each valve to complete its scheduled program before the next one starts?

Hunter's battery-operated controller family—the Smart Valve Controller (SVC) and the Wireless Valve System (which consists of the WVC controller and WVP programmer)—boast true, fully-independent programming for every valve. Possessing such operating capability offers a number of great advantages over the traditional sequential timing of multiple valves found in competing battery-operated controllers (or most AC-powered controllers):

- Greater programming flexibility
- Ability to operate several, or all, valves simultaneously
- Shorter water window completes irrigation in less time
- Irrigation of drip zones and spray or rotor watering can overlap
- Actual start times can be set for every valve (as though each had its own unique controller)

Both the SVC and Wireless Valve System are available in single-, 2-, or 4-station models.



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We welcome your comments on this publication.

IN THIS ISSUE


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"Seal the Deal" with New Co-molded Wiper Seals on Pro-Spray®

Hunter's Pro-Spray has been improved for even better performance, thanks to a new co-molded wiper seal.

During the co-molding process, two parts are molded together for a totally leak-proof and durable bond. Co-molding gives more structure to the softer part as it is bonded into the stiffer part for added stability and durability.

The result? Optimal seal performance under all conditions and over many years of use. Plus, reduced flow-by, less pressure required for start-up, fewer stick-ups, and lower maintenance costs.

The seal and screw-on cap are still separate parts, allowing easy access to all internal parts. That means simple and cost-effective maintenance. In addition, unlike some other brands, if the seal ever wears, you don't need to change the entire cap.

So stop by your authorized Hunter distributor and check out the new co-molded seal that has been added to Pro-Spray, as well as to Hunter's Institutional Spray.

You'll not only find a **better wiper seal**, but also **better nozzles** and a **better body cap**.

So you'd **better switch** to these exceptional spray heads **now!**

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