

INTERNATIONAL

Hunter® Headlines

Irrigation News & Insights

The World's Most Reliable Sports Field Rotors Reach New Heights

Managers of sports fields all around the world trust the Hunter I-41 and I-31 rotors to keep their precious turf in the finest condition. These professionals can sleep soundly at night, knowing there won't be dry spots or wet spots, stressed turf, or sprinklers that don't rotate. That's because they specify Hunter I-Series rotors, irrigation products that allow them flexibility in design as well as assured reliability in performance.

I-Series rotors are the popular choice of sports turf managers in all corners of the globe, with a list of noteworthy installations too numerous to mention. Examples include current League Cup and Premier League champions Chelsea Football Club's new stadium and Tottenham Hotspurs' main stadium in London, the King Fahd International Stadium in Riyadh, Saudi Arabia, and the Sydney Cricket Ground in Australia.

And now those same irrigation professionals have even more flexibility with their installations than ever, thanks to the added choice of I-41 and I-31 rotors with a pop-up height of 15 cm (6"). The extra height can be an advantage in thick turf, as well as the higher mowing heights that are becoming more popular.



Hunter's new 15 cm pop-up rotors—I-31 (left), I-41 (right).

The new versions of I-41 and I-31 give Hunter a full-line of sprinkler products with this taller height to meet your specific needs. 15 cm rotors are also available for the PGJ and I-20 Ultra. ■

Top: Hunter I-41 rotors at work at Estadio Bernabeu, Home of European Champions Real Madrid. Right: King Fahd Stadium in Riyadh, Saudi Arabia uses I-41-ADS and I-41-ON rotors.



I-40-ON rotors running on Tottenham Hotspurs' main stadium in London.



Save Water as Well as the Landscape



Professionals in the landscape industry have a certain societal responsibility that comes with the occupation. Members of the green industry share the technology, experience, and sense of duty to show their communities helpful solutions to dealing with limited water resources.

All around the world, irrigation professionals like you have demonstrated excellent examples of how to save water, while at the same time promoting beautiful, healthy landscapes:

Paul Lowthorpe of Get Wet Irrigation in **Joondalup, Western Australia** said "the Cycle and Soak feature on Hunter's ICC controller helps program irrigation cycles for sloping ground that provides repeated short cycles with delays for better infiltration. The result is reduced run-off, no erosion and great water savings."

Chris Marney of Delfin Property Management, **South Australia** indicated that "the use of sophisticated irrigation management software has saved a great deal of time and water." The Hunter IMMS™ central control system installed at the huge Mawson Lakes residential project north of Adelaide links and controls 25 sites by GSM cellular modem. They also added Flow-Clik™



The IMMS™ central control software used at the Mawson Lakes project provides daily opportunities for great water savings.



sensors at every site, and quickly realized extra water savings when the Flow-Clik at one site alerted the central to a broken drip irrigation line and shut down the problem zone.

Imma Pedemonte told us that **Madrid, Spain** has had excellent success using reclaimed, recycled water in rotor and spray systems in the city's magnificent parks, roundabouts, and street side landscaping. The municipality uses the purple Hunter rotor covers to advertise their use of recycled water and demonstrate to the public they are committed to saving water. "The greatest water savings truly come from accurate system design, professional installation, and thorough knowledge of the latest products and their features that we all share," reported Imma.

The municipality of Madrid uses recycled, reclaimed water in rotor and spray systems for the city's magnificent parks like La Puerta de Alcala in Plaza de la Independencia.



Hunter's Flow-Clik™ automatically shuts down a system if an overflow occurs.

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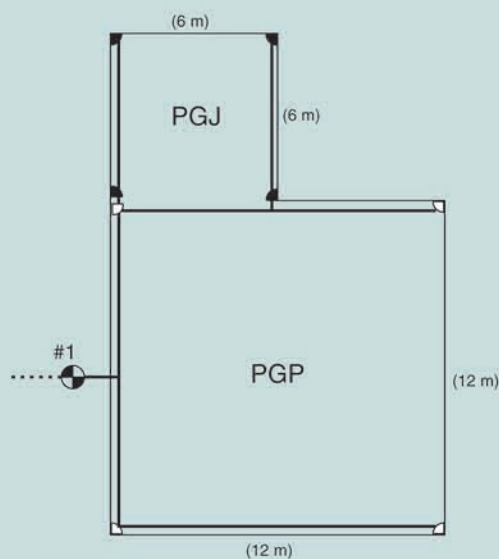
Small and Large Areas on One Zone

Hunter offers two different rotors—each designed for its own specific use—that can take care of the majority of your landscape needs.

Now, when landscapes require smaller areas to be irrigated together with larger areas, the PGJ and PGP® rotors can be combined on one zone! As shown in the design below, one valve can control both the smaller area and the larger area and provide a uniform precipitation rate over the entire landscape. Normally, two valves would have to be installed: one for a spray zone and one for a rotor zone. So, less valves, piping, wire, and stations on the controller are required!



Hunter's PGP®:
Perfect for 8 to
15 m spacings.



- PGJ-04 #1.0 nozzle
- PGP-ADJ #8 nozzle

Why PGJ Instead of Sprays?



Since it is scaled down in size, PGJ makes it possible to install two rows of rotors and do the same job as three rows of spray heads. That means there is going to be less trenching, piping, and labor.

Then, because PGJ can run on the same zone as other rotary sprinklers, these rotors will require fewer valves and controller stations.

It all adds up to less installation time and lower installation costs (as well as lower watering costs) for your customers.

As a result, the PGJ is capable of working in tandem with larger rotors to combine big and small areas in a single zone, offering a convenience and efficiency sprays do not. With PGJ, fewer heads perform more efficient work for a more economical price. ■



The Hunter PGJ—
The efficient
alternative to spray
head systems.



Hunter PGJ rotors in action at The San Diego Convention Center, San Diego, California, USA.

Reliable as a Swiss Watch: Stade de Genève's Irrigation System

In Geneva, football fans grew impatient as the years passed. Switzerland's pre-eminent metropolis had long wanted a stadium whose stature would match that of the city. In the early 1990s, plans were unveiled to construct the Stade de Genève, a world-class athletic facility that would make Genevans proud.

But eight years of debate on the design and scope of the project followed. Then, two more years of waiting for the actual construction to take place. But when all was said and done, the fans and the National League players of the Servette Football Club got something that all have agreed was well worth the wait.

Located in the La Praille district, Stade de Genève is more than simply a sports facility. The main section features the playing field and seating area, with five levels and 30,000 covered seats. And while it is the cornerstone of the project, it is but one portion of it.

In addition to the playing arena, the massive project also includes a retail, dining, and entertainment center equipped with underground parking, plus a major hotel, television studios, a commercial office complex, congressional chambers, and an Event Center.

The construction was a complex undertaking, and the installation of the irrigation system was not an easy task. The arena, which measures 105 meters long and 68 meters wide, is closed on all sides. Thus it was imperative to have a flexible and uniform irrigation system.

Typical systems in Switzerland use two central rotors and ten peripheral rotors, which could not guarantee uniformity. Also, the maintenance personnel wanted the ability to stop the watering on the corners—which, on football fields, often tends to be watered too much—and to better manage the areas behind the goals.



Hunter I-41-ON rotors at work at Stade de Genève.



Each row of I-41 rotors has its own zone control valve to allow customized irrigation.

To address these needs, the shorter sides of the stadium were equipped with Hunter G875-E-25-P8 Electric Valve-in-Head rotors that can be controlled on an individual basis. Complementing these long throw rotors were five rows of five I-41 ADS and 36S-ON rotors, allowing every row to be operated by its own valve. An ICC-800 controller, with the addition of an 8-station ICM module, permits complete management of all 15 zones—consisting of the 5 valves, plus the 10 individual G875 rotors with their Electric Valve-in-Head control.

All products were supplied by R.M.G Diffusion S.A., Geneva, Hunter's distributor in Switzerland.

Originally known as the place that no one could agree upon, the magnificent new Stade de Genève is now considered the place that everyone can agree upon. As players and fans, businesspeople and civic leaders, have all fallen in love with the spectacular architecture, wide array of facilities and offerings, and, of course... the beauty of the playing field's turf. ■



Did You Know ?

Adjustable arc nozzles now come factory set at 180°.

Because they are set at this *most common arc*, you'll find that they're *easier to adjust* to the precise setting that you need.

Save Water

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Hanna Zaidan in Dubai, United Arab Emirates pointed out how the use of certain products is helping to save water. “Pressure regulating Institutional Sprays and easily-to-adjust AccuSet™ pressure regulated valves allows rotor, spray, and drip systems to work at optimal pressures in the city’s beautiful landscape projects, while reducing water loss and maximizing system efficiency.”

Francis Manuel of Avignon, France noted that irrigation installers in the southern regions of his country regularly use rain sensors like the Wireless Rain-Clík™ as reliable water saving devices. “The cumulative water savings during variable weather seasons are enormous. And the ‘seasonal adjust’ feature on all controllers is a very easy and effective way to save water.”



Hunter's Wireless Rain-Clík™

Other common water saving tips that you can use as well? How about check valves, matched precipitation nozzles, multiple program controllers, professional irrigation design, and water auditing. Together, they all add up to a wealth of know-how that can save our environmental resources and save our beautiful environment.

Remember, as irrigation professionals, we must not be part of the *problem*, we must be part of the *solution*. ■



Accu-Set™ pressure regulated valves used by the municipality of Dubai, UAE help run rotors at optimum pressure for efficient water distribution.

We Know Our Valves are Reliable Because We Put Them to the Test(s)

One thing above all else is most important in a valve—reliability. You want the knowledge that the valve will open and close, time and again, without fail.

Hunter valves deliver that kind of reliability. But how can you be sure of that? Simple... during production, **every single valve undergoes 100% water testing** at maximum and minimum pressures, as well as maximum and minimum flows, before it leaves the factory. This is Hunter’s commitment to assured reliability in the field.

In addition to the 100% water testing, Hunter also carries out an array of periodic design verification tests, including:



- **Low Flow Test:** Some valves on the market will not close if available zone flow rates are not high enough. No problem with Hunter valves, as the 25mm (1") PGV will operate at an incredibly low 0.7 liters per minute.
- **Life Cycle Test:** Compressing several years worth of daily use into a short period of time
- **Internal Sand Test:** Duplicates the worst sediment conditions a valve might face in the field
- **UV Test:** Checks resistance to the sun’s rays
- **Water Hammer Test:** Creates water hammer and slams it into the valve
- **Heat/Freeze Test:** Tests performance under extreme conditions
- **Burst Test:** Pumps pressure into the valve until it breaks

Performing 100% water testing on every valve, plus conducting a complete battery of periodic tests, is Hunter’s commitment to assured reliability in the field. ■

Top: To attain the highest standards for quality control, Hunter routinely water tests 100 percent of all valve models at both maximum and minimum pressures and maximum and minimum flows.

Left: Hunter offers a complete line-up of rugged, professional-grade valves designed to handle the full range of landscape needs.



Q: Why should your customers get an automatic irrigation system?
A: Don’t just tell them, show them!

Here’s a great presentation that shows the benefits of automatic irrigation systems. This comprehensive, convenient “Q & A” PowerPoint is available as LIT-361. Contact your Hunter representative for more information.



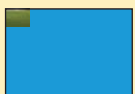
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Save Water and
Save the Landscape



Geneva's
World-Class Stadium



Sports Field Rotors
in a Taller Size

Reduce Maintenance on Remote Sites

Lithium Batteries Can Triple Battery Life on Hunter SVC, WVC Controllers



If you're using a battery-operated controller for remote sites, here's a simple way to reduce battery maintenance.

Ultralife® Batteries, Inc. manufactures a non-rechargeable 9-volt lithium battery that will extend the service life of the Hunter SVC and WVC. This battery will increase the service life to approximately 3 years compared with 1 year from an alkaline battery.

Because the Ultralife U9VL-J lithium battery is designed similar in size to a standard 9-volt battery, it will fit easily into the SVC/WVC battery tray. But, keep in mind that although lithium batteries provide good service life performance, they tend to be more expensive than alkaline batteries.

Additional information, including where to buy Ultralife Batteries, can be found at the company's website: www.ultralifebatteries.com. ■

