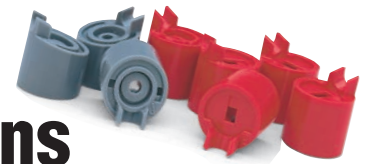


Headlines

Hunter® Irrigation News & Insights

PGP® High-Performance Nozzles Provide More Landscaping Solutions



19 nozzles plus a "shut-off" plug for one rotor provides design solutions for all landscapes.

The versatility and flexibility provided by the full range of Hunter PGP nozzles offers an expansive array of irrigation solutions. It helps make the PGP sprinkler the world's most popular residential rotor.

With 19 different nozzle choices, designers get a wide range of flow rates, radii and precipitation rates from 3 to 30 mm/hr, making it possible to cover all landscape sites and plant types from turf to ground cover. Designing on all degrees of slopes and soil types from sand to clay is easy.

Plus, the nozzles offer solutions for all conceivable water window or water availability conditions. And, with so many nozzles, there are several matched-precipitation combinations to make design and coverage easy.

result in healthy, low-maintenance turf. While distributors love the convenience of so many nozzles included in every box of rotors and the peace of mind that comes with happy customers.

Cutting-edge technology in design, production, and testing has made Hunter's PGP nozzles the industry's best performers. And this excellent performance means higher system efficiency and great water-saving benefits. ■

The Most Environmentally Friendly Manufacturing Processes in the Irrigation Industry

At a time when we are all looking to conserve precious resources, Hunter is increasing its contribution to this cause through ecology-minded measures on a daily basis at all levels of our operations.

- Recycling (up to 98%) of the excess plastic from the molding process
- Generating most of our own electricity with clean-burning natural gas
- Moving parts around our plants with reusable plastic boxes instead of cardboard
- Hunter nozzle racks are made of 100% recyclable plastics
- Recycling water in our design verification facility, saving over 2.5 million gallons each day
- Re-grinding destroyed product from testing in order to reuse the materials
- Fabricating our product packaging from 30-80% recycled paper
- Hunter's new 10,000 square metre facility in Mexico has its own on site TSE recycling plant to supply irrigation water for its spectacular landscaping

At Hunter, we're striving to set yet another standard that others in our industry can aspire to—a standard of conservation and care for our planet, our environment, and its resources. ■

Matched Precipitation Sets From Existing PGP Nozzles — 10 Metre Spacings					
Nozzle	Pressure PSI	Radius metres	Flow l/min	Precip mm/hr	Precip mm/hr ▲
Quarter Nozzle # 3	30	9.1	3.4	10	11
	40	9.4	3.8	10	12
	50	9.4	4.5	12	14
	60	9.8	4.9	12	14
Third Nozzle # 4	30	9.8	4.5	8	11
	40	10.1	5.3	9	12
	50	10.4	6.1	10	13
	60	10.4	6.8	11	15
Half Nozzle # 6LA	30	8.2	8.2	15	17
	40	9.1	9.1	13	15
	50	10.1	10.1	12	14
	60	10.7	10.7	11	13
Full Nozzle # 8LA	30	9.4	12.9	9	10
	40	10.4	14.8	8	9
	50	11.3	16.7	8	9
	60	11.6	17.8	8	9

Matched Precipitation Sets From Existing PGP Nozzles — 12 Metre Spacings					
Nozzle	Pressure PSI	Radius metres	Flow l/min	Precip mm/hr	Precip mm/hr ▲
Quarter Nozzle # 5	30	10.4	6.1	14	16
	40	11	6.8	13	16
	50	11.6	7.6	14	16
	60	11.6	8.3	15	17
Third Nozzle # 6	30	10.4	7.6	13	16
	40	11	9.1	14	17
	50	11.6	10.2	14	18
	60	11.6	11	15	19
Half Nozzle # 8	30	11.3	12.1	11	13
	40	11.9	14	12	14
	50	12.5	14.8	11	13
	60	12.8	17.4	13	15
Full Nozzle # 10LA	30	11.6	24.6	11	13
	40	12.2	27.6	11	13
	50	12.8	30.3	11	13
	60	13.4	32.6	11	13

Suggested nozzle combinations for matched precipitation sets at 10 metre and 12 metre spacings.



Maintenance and rotor replacement are easy, with so many options included with every rotor. Hunter's low angle nozzles make big slope problems seem small and resolve problems at windy sites. There's even a plug on the grey low angle nozzle rack to shut off flow at an individual rotor!

But not only installers praise PGP nozzles. Landscape managers are sold on the uniformity, dependable performance, and water efficiency—no wet spots and no dry spots



Recycling while testing.

Hunter's new Mexico facility has its own recycling plant to supply irrigation water.

New Park a Tribute to Portugal's Poets (and to Hunter Products' Performance)



The city of Oeiras, Portugal—located west of Lisbon—recently opened a beautiful new park. Parque de los Poetas incorporates statues of Pessoa, Correia, Mello, Andressen, Torga, de Andrade, and various other poets into a landscape of turf, shrubs, and trees that is initially covering an area of 10 hectares (when the second phase of the park is complete, the total area will reach 25 hectares).

With 10 hectares to keep lush and green, Parque de los Poetas required a sizeable irrigation system. One that could be counted on for performance and dependability. That's why Green Areas Construcción Compañía turned to Hunter.

Over 1500 Heads in the Irrigation System

The park has nearly 300 Hunter I-31 rotors in the turf areas. I-31s were chosen because they provide very efficient water distribution, accompanied by great public safety features and resistance to vandalism or traffic damage.



Hunter's I-31s are an integral part of the park's landscaping. Durable and vandal-resistant.

In the shrub and ground cover sections, more than 600 PGH 30 cm pop-ups and standard PGP 10 cm pop-up rotors were installed. Rounding out the sprinklers, to handle the small landscaping zones, were nearly 600 Hunter SRS pop-up sprays (in a mix of 10 cm & 30 cm sizes) with adjustable nozzles. Parque de los Poetas' 115 zones are controlled by 2" and 1½" heavy duty Hunter ICV valves.

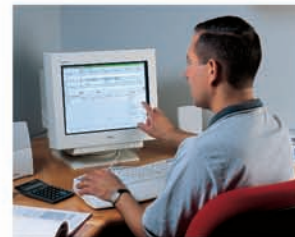
Central Control Manages it All

With such a large area and so many zones to cover, Green Areas' objective was to reduce costs as much as possible. To do so, they chose to manage the irrigation system by a central computer.



Heavy-duty Hunter ICV valves were big players in the installation—they controlled 115 zones.

Hunter's Irrigation Management and Monitoring System IMMS™ allows irrigation programming to adapt to landscape and climate changes at all times. IMMS delivers the quantity of water and controls the time it is delivered by selecting the lowest evapotranspiration times and avoiding irrigation during the park's visiting hours.



The Hunter IMMS system at work.

Alexandre Lisboa, architect for the Oeiras municipality, explains, "The installation of this system (IMMS) allows us to expand to other parks in Oeiras in a strategy to centralize a major management system to control irrigation. This system will increase the control of our water supplies and, naturally, the real needs of irrigation, controlling, at the same time, the undesirable losses of water."



SRS sprays can be found all around the park. Green Areas Construcción Compañía decided to treat the park with 600 of these sprays.

The time saved in travel to modify the programming on site is considerable, as operation is handled from the comfort of the installer's office. The savings in water consumption and time lead to savings of money and resources...which are beautiful words to hear when working on a tight municipal budget.

Beautiful words. Kind of like...poetry. ■



Enhanced New **SRC Plus** Includes the Features You Asked for

The new SRC Plus is now ideal for international markets, as the original SRC controller has been upgraded to include advanced new features that customers have been requesting. The higher station output and full 1.0 amp transformer work well in difficult power supply areas, odd/even watering scheduling with a true onboard 365-day calendar suits local watering requirements, and SmartPort® capability for remote programming makes it possible for the SRC Plus to work with Hunter's IMMS™ central control system.



The SRC Plus also boasts a rugged new cabinet design that provides durability and a sleek, new appearance highlighted by smooth curved lines and a more attractive color scheme.

Another addition is automatic short circuit protection. When a short circuit is detected on a station, instead of blowing a fuse which would shut down the entire system, SRC Plus will skip over that station and continue to water the rest of the zones in the program and report the problem on the LCD display.

Also added is non-volatile memory. Program information is held indefinitely, without a backup battery, providing excellent insurance against unreliable power.

One other newly added feature is One Touch Manual Start and Rapid Advance. Simply press a single button to run a quick cycle when extra watering is needed or when wanting to scroll through the stations to inspect the system.

Dial Programming and Large LCD Display
Easy programming entry

One Touch Manual Start and Rapid Advance
Quickly activate stations for extra watering or system inspection

Central Control Compatible
The IMMS™ makes it possible to control a network of irrigation systems from across town

Rain Sensor Bypass
Override the weather sensor with a turn of the dial (no separate switch required)

365-Day Calendar
Maximum flexibility to handle special needs such as odd/even date watering

Automatic Short Circuit Protection
No blown fuses! Skips the short circuited station to water rest of zones in program

Non-Volatile Memory
Keep all programs in memory without a backup battery

Thicker Plastic Cabinet
Stronger and more durable

The SRC Plus also has features present in the original SRC: dial programming and a large display with easy program entry for installers and end users, three programs with multiple start times to accommodate repeat watering requirements, a bypass that boasts a quick override of the rain sensor (and no separate switch is required), and a large wiring compartment terminal strip that gives ample space to work and makes installation fast and easy.

The SRC Plus is available in 6- or 9-station versions and is designed for indoor mounting. ■



Installing the SRC Plus is fast and easy using the quick wall mount plate.



Three programs with four start times per program covers all landscape requirements.



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PGP® Nozzles
 Bring Solutions



SRC Plus Boasts
 New Features



New Park for
 Portugal's Poets

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Hunter Battery-Operated Controllers also Compatible with Other Popular DC Latching Solenoids

Hunter recommends that our customers use Hunter DC latching solenoids with Hunter battery operated controllers. However, both the Hunter SVC and WVC controllers are designed to also operate commonly used 2-wire solenoids from other irrigation manufacturers. The following is a list of those solenoids that are compatible with the SVC and WVC controllers:

MODEL	SOLENOID PART#
Baccara	G75-0-10002
Bermad	S392-2
Irritrol	E2003
Nelson	8090
Rain Bird	TBOSPSOL

Please note: Non-Hunter valves are limited in their maximum operating pressure when operated by any DC latching solenoid.

The Hunter DC latching solenoid is designed to operate on all Hunter plastic valves up to 10 Bar (1000 kPa), and on the ICV up to 15 Bar (1500 kPa). The Hunter solenoid can also be wired up to 30 meters from the SVC or WVC (1 mm diameter minimum wire size recommended). ■



SVC-400



SVC-100



WVC and WVP