



PGP ULTRA® ROTARY SPRINKLER

This Upgrade of the First-Class PGP is Packed with New Features

The PGP Ultra takes the foundation of the best-selling PGP Rotor and raises the bar with a variety of new features developed over three decades of research, customer feedback, and lab testing. Among the most notable improvements of the PGP Ultra are its non-strippable drive and automatic arc return. These two features work to allow the turret to be turned without causing damage, and return the turret to its original arc regardless of where it is turned. Other advanced features include 34 nozzle options with several radius choices, and a headed slot and set screw. The diversity of the PGP Ultra offers system installers an array of efficient options on any site. For peak efficiency, choose the PGP-04 with an optional pressure-regulated body that reduces incoming pressures of 50-100 PSI to 45 PSI, saving up to 25 percent more water.

Learn more. Visit hunterindustries.com, for more detailed information.

The Clean and Simple Permanent Rubber Cover

A unique flexible membrane ensures that adjustment sockets will always be covered, thus protecting the internal mechanism from dirt and intrusion. It's also simple to increase or decrease arc using the adjustment socket symbols, while the handy arrow provides immediate recognition of direction of nozzle and flow.



Superior Coverage – Across the Entire Range



Only the PGP provides excellent coverage both close to the sprinkler as well as throughout its full distance of throw. The exceptional performance of PGP nozzles guarantees uniform results—with no wet spots or dry spots in all head-to-head spacing installations from 20 feet to 45 feet. Plus, because the nozzles are easily interchanged and adjusted, the installer can easily fine tune watering to meet field conditions.

Simple Through-the-Top Adjustment, Wet or Dry



With handy symbols to guide you through the process, PGP is the industry's easiest sprinkler to install and adjust. Sealed membranes protect the adjustment mechanism so there are no parts to remove—and, thus, no parts to lose. Best of all, the adjustable models work both as part circle and reversing full-circle sprinklers so you only need to carry one unit for all types of jobs.

Heavy Duty Spring for Positive Retraction

Other manufacturers skimp on expensive stainless steel and use a thinner grade and fewer coils. Only PGP, with the strongest spring in its class, can assure reliable retraction time after time, keeping the sprinklers out of sight when not in use (as well as protecting them from mowers and eliminating potential injury hazards).



Closed Case Design Makes PGP a Clean Winner



If you're used to using pop-up impact sprinklers, then you know just how easily the "guts" can get clogged with dirt and contamination. Unlike impacts, the PGP features a totally sealed design that cannot be fouled by debris because all of the essential inner workings of the rotor are well protected in the PGP's grit-resistant, long-life gear-drive mechanism.

What Makes PGP the World's #1 Gear Drive?

The PGP has been and continues to be the world's best-selling gear-driven rotary sprinkler. But being first is not simply limited to sales figures.

Some of the Hunter PGP "Firsts" that set it apart from the competition include:

- *Through the top adjustment—wet or dry—no parts to remove, easy adjustment, precise*
- *Full rack of nozzles included with every head—allows you to custom-tailor sprinkler performance to the site's needs*
- *Rubber cover standard—keeps dirt out, improves safety*

It's no coincidence...being first in developing technological advances like the PGP has earned Hunter the reputation as "The Irrigation Innovators".



PGP Blue Nozzles: Superior Coverage and Visual Appearance

Take a look and you'll see a better visual appearance that provides more even distribution, at both the close-in and mid-range areas... a superior scheduling coefficient that eliminates the problem of under- and over-watered areas of the landscape... as well as an intuitive numbering system for easy identification with each individual nozzle clearly marked with its flow rate. The new PGP Blue Nozzles are just the latest example of Hunter's ongoing commitment to remaining the leader in the irrigation industry.



PRO-SPRAY®

Ready for commercial or residential projects, the Pro-Spray is a rugged and reliable sprinkler for versatile applications. The contractor's choice for years, it was designed with the professional in mind.

Features and Benefits

- 01** **Ratcheting riser for quick arc alignment**
Make adjustments while sprinkler is operating
- 02** **Heavy-duty body and cap construction**
Withstands the harshest environments with multi-thread buttress design
- 03** **Pressure-activated, multi-function, no flow-by wiper seal**
Permits easy removal and cleaning; treated with UV inhibitors to ensure long life
- 04** **Compatible with all female threaded nozzles**
Accepts adjustable, fixed, and specialty nozzles from Hunter and all major brands
- 05** **Heavy-duty spring**
Ensures positive retraction under any conditions
- 06** **Optional factory-installed drain check valve for up to 10 feet elevation change**
Eliminates landscape damage from flooding and erosion
- 07** **Innovative pop-top flush plug design**
Allows limited flow permitting controlled directional flushing

WORKS BEST WITH



PRO-SPRAY FIXED ARC NOZZLES



PRO ADJUSTABLE NOZZLES



MP ROTATOR

POP-UP HEIGHTS

Shrub	4"
2"	6"
3"	12"



5 YEAR WARRANTY



6906 Martindale Road
Shawnee, KS 66218

Install Components

Water Tap- In order to access the water supply for the system we first dig down to the main water supply line located usually in the front yard by the water meter. Once the line is located, we shut off the water for roughly 30 minutes in order for us to establish a secure connection. An on/off ball valve is installed from this connection to control the sprinkler system alone. This allows you to turn off the water to the system if service to the system is needed, or if you're preparing for the winter months.

Backflow- We install a backflow preventer on every system which protects your drinking water. Surrounding cities have different requirements pertaining to the location and type of the backflow which is met by us on every install.

Master Valve- This valve pressurizes the main line only when the system is turned on by the controller eliminating unnecessary stress on components and preventing major water loss in the event of a cut pipe.

Blowout- Come every winter it is necessary to blow out all the water in the system. We install ¾" connection that serves as a way for us to hook up to the system to blow out all the lines, valves, and the backflow ensuring a dry and winter safe system come freezing temperatures. The first year includes a complimentary startup and shutdown.

Vibratory Plowing- We use a vibratory plow to install our sprinkler lines. This machine pulls the pipe underground with minimal disturbance to the surface. After the system is installed, we go back and seed all the lines where the pipe was pulled returning your turf to the way it was before we started.

Hunter PGP Ultra Rotor- We typically use 4" pop-up rotary sprinkler heads for large areas that are free of a lot of obstructions. This head sprays anywhere from 17-35 feet efficiently while running and disappears from sight when the job is done.

Hunter Pro-Spray- We typically use 4" pop-up spray sprinkler heads for smaller confined turf areas and planting beds. This head has a range of 4-17 feet and in certain applications it can spray side to side. Just like the PGP, the pro spray is hardly detectable when not in use.

Hunter X2 Controller- This base controller a very user-friendly controller that gives you the option of setting up one or multiple programs. It also allows for manual operation of independent zones, or multiple zones as needed. The X2 is rated for both indoor and outdoor situations. We can install the controller on the inside of the garage as close to an electrical outlet, or on the exterior near an outlet if preferred.

Controller Port- On the outside of the garage we install a port that allows us to plug in a Hunter Roam Remote to service your sprinkler system if you are not able to be home. Our service technicians have this remote with them allowing them to turn on/off zones while walking around the lawn. It allows the technician to run the system. However, the remote will not change any settings that you have configured on your Hunter X2. If you would like a remote for your personal use they are available for only \$249.00

Zone Valves- We use Hunter PGV, 100 series valves. The sprinkler heads in the yard are divided into separate zones. Each zone requires a valve which regulates water from entering the zone off the main line. When the zone is activated on the controller or remote, the valve opens up and allows water to fill the zone. These in ground valves are grouped in valve boxes leaving only the lid visible to the eye.

Rain Sensor- We use an Irritrol wireless rain sensor for the Hunter X2 controller. The receiver is mounted next to the controller in the garage. The sensor can be mounted in a nearby gutter that's free of any obstructions, or on a nearby fence post. With this sensor you won't have to worry about turning off the system if you have recently or currently had a considerable amount of rainfall. The sensor automatically shuts off the system for that days programmed start time.

Optional Water Saving Upgrades:

Hydrawise Wi-Fi Wand and Setup- Upgrading the standard Hunter X2 controller with the Wi-Fi Wand allows for the ability to connect to your home's Wi-Fi connection. Control your sprinkler system from your smart phone, tablet, or web browser when on the go, or from home. Hydrawise also saves water by adjusting your sprinkler's watering schedule by monitoring local weather conditions making a rain sensor unnecessary. Not only does it stop waterings if it has rained, but it also knows the weather upcoming to prevent watering before predicted rainfall. Upgrade to Hydrawise with the wand that includes setup online from Green Lawn for \$250.

PGP-PRB- The Hunter PRB rotor is an extension of the PGP rotor that will take the normal incoming pressures of 50-100 psi and reduce them down to 45 psi. In return the lower pressure applies water at a slower rate producing larger water droplets that fight windy conditions, and most importantly will save water. Lower psi also helps with runoff and allows for the water to slowly soak in and is especially great for sloped areas. This sprinkler head has a long distance spray like the regular PGP rotor and could be substituted with the optional upgrade.

MP Rotator- The MP rotator is similar to the PRB rotor in the sense that it reduces the pressure coming out of the sprinkler head. When the MP rotator is paired with the Hunter Pro Spray PRS40 body the psi is reduced to 40. In return it saves water, will help with runoff, and allows for the water to slowly soak in. While the MP rotator has the ability to throw long distances, it is best suited for smaller areas where the distance is not needed. This sprinkler head is a good optional upgrade over the traditional Hunter Pro Spray.



- 01 **Connected:** Add the WAND module to connect to Hydrowise software for rapid programming and online irrigation management
- 02 **Adaptable:** Up to 14 stations with 3 programs and 4 start times each, with a 6-hour run time in offline mode
- 03 **Efficient:** Cycle and Soak, Virtual Solar Sync®, and predictive weather adjustments with the WAND Wi-Fi module

X2™ WI-FI CAPABLE IRRIGATION CONTROLLER

The X2 controller continues the legacy set by the popular X-Core® with the same set of reliable and highly efficient capabilities, and brings irrigation management into the next generation by providing advanced water-saving features using Hunter's industry-leading wireless Hydrowise® technology.

With X2, you can keep the familiar dial-based programming offered by X-Core, or you can upgrade to cloud-based Hydrowise management that is fast and easy using a helpful setup wizard and a smartphone or desktop device. Hydrowise maximizes water savings by automatically adjusting irrigation schedules based on local weather measurements sourced from the internet.

X2 ensures healthy, green landscapes by making site management more convenient and profitable. You can quickly set irrigation schedules and manage an unlimited number of controllers with real-time status updates via Hydrowise software.

Learn more. Visit hunterindustries.com



Speed up maintenance
Control X2 remotely with ROAM (1,000') or ROAM XL (2 miles).



Save water and more by adding a rain sensor
To prevent water waste, built-in Quick Response™ technology instantly shuts down irrigation as soon as it starts raining.

X2 FEATURES & SPECIFICATIONS

X2 Key Benefits

- 4-, 6-, 8-, or 14-station fixed controller
- Wi-Fi capable managed by Hydrowise software
- 3 flexible programs with 4 start times each with run times up to 6 hours
- Backlit display provides optimal visibility in any setting
- QuickCheck™ provides simple diagnostics of faulty field wiring
- Hide Programs option displays one program and one start time for simplification
- Suspend irrigation for up to 99 days during the off season
- Short-circuit protection detects wiring faults and skips the station without system damage
- Easy Retrieve® memory backs up the full irrigation schedule
- Delay Between Stations for slow-closing valves or pump recharge
- Cycle and Soak prevents water waste and runoff in areas with elevation changes or tight soils
- Seasonal adjustment for quicker schedule adjustments without changing run times
- Warranty period: 2 years

WAND Wi-Fi Module Key Benefits

- Provides online irrigation management with controller status and faulty wiring alerts
- Standard ABC programming with 3 programs and 6 start times, and run times up to 24 hours
- Predictive Watering® provides precise weather adjustments for maximum water savings
- Compatibility with Amazon Alexa™ and Control4® home automation
- Warranty period: 2 years

Model

X2
Plastic, IP44
Height: 9"
Width: 7½"
Depth: 3⅞"



WAND Wi-Fi Module
Height: ¾"
Width: 2⅛"
Depth: 2⅛"



X2	
Model	Description
X2-400	4-station controller, 120 V internal transformer and American plug with plastic cabinet
X2-600	6-station controller, 120 V internal transformer and American plug with plastic cabinet
X2-800	8-station controller, 120 V internal transformer and American plug with plastic cabinet
X2-1400	14-station controller, 120 V internal transformer and American plug with plastic cabinet
WAND	Bluetooth® and Wi-Fi module for Hydrowise water management software

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EPA WATERSENSE APPROVED

Recognized as a responsible water-saving tool by the U.S. Environmental Protection Agency when using WAND module.

Website hunterindustries.com | **Customer Support** 1-800-383-4747 | **Technical Service** 1-800-733-2823

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.


Gene Smith, President,
Landscape Irrigation and Outdoor Lighting

RAINSENSOR™ SERIES RAIN AND FREEZE SENSORS

WIRED/WIRELESS



Taking water management to the next level, Irritrol's proven RainSensor™ Series makes watering in the rain a mistake of the past. The reliable wireless and wired rain sensors conserve water by preventing irrigation during or after sufficient rainfall, while the wireless rain/freeze sensor also helps reduce vegetation damage and icing conditions when the temperature drops below a predetermined set point. With its compact design and host of convenient features, the RainSensor Series is the perfect compliment to any standard controller.

KEY FEATURES & BENEFITS

WIRELESS MODELS

Require less labor for the installer

CONSTANT COMMUNICATION BETWEEN TRANSMITTER AND RECEIVER

Assures that even after a controller power outage, the controller is continually updated with the sensor's "wet" or "dry" status

VERSATILE MOUNTING OPTIONS

Requires no special tools – Quick-Clip™ gutter bracket and ½" conduit adapter included

SIGNAL STRENGTH INDICATOR

Ensures correct installation, communication link and signal integrity (wireless models)

SMART BYPASS™ FOR EASY SYSTEM OVERRIDE

Allows for temporary deactivation while automatically resetting on next activation (wireless models)

FULLY ADJUSTABLE SHUTOFF POINTS

From 1/8" to 3/4" of accumulated rainfall

DRY-OUT RATE ADJUSTMENT FOR RESET DELAY

Allows for setting the ideal dryout time

PATENTED WIRELESS TECHNOLOGY

Unsurpassed by the competition

SUPERIOR PATENTED WIRELESS TECHNOLOGY



ADDED FEATURES

RS1000/RFS1000

- Compatible with nearly all controllers
- Visual sensor status and alert indicators verify consistent operation
- Slide/snap-on cover provides additional protection to weather-proof receiver from the elements
- Power failure memory protection
- Three-year warranty

RFS1000

- Rain and freeze sensors fully integrated into one unit
- Highly accurate 41°F digital activation point

RS500

- Compatible with virtually all controllers
- 25-foot cable (UV-resistant, white jacket included) provides installation flexibility
- Easy, tool-free conversion to normally open operation
- Five-year warranty

OPERATING SPECIFICATIONS

- Sensor type: industry-standard hygroscopic discs
- Rain sensitivity: adjustable nominal 1/8" to 3/4"
- Operating temperature: -20°F to 120°F
- Housing material: UV-resistant engineered polymer
- Wireless only features:
 - Transmission range: over 300 feet line-of-sight
 - Battery: Two CR2032 3V cells, 5-year life (typical)

SPECIFYING INFORMATION

MODEL	CONNECTION
RS - Rain Sensor	500 - Wired
RFS - Rain/Freeze Sensor	1000 - Wireless

Example: A wireless rain/freeze sensor = **RFS1000**

ELECTRICAL SPECIFICATIONS

- Receiver power: 22-28 V ac/V dc, 100mA (to be used with Class 2, UL-approved (transformer))
- Load rating: normally open or normally closed — 3A @ 24 V ac
- UL Listed, FCC, CE, IC

MODELS

Model	Description
RS1000	Wireless rain sensor
RFS1000	Wireless rain/freeze sensor
RS500	Wired rain sensor

DIMENSIONS

- **Transmitter:** H: 1 1/2", W: 1 3/4", D: 3 3/4"
- **Receiver:** H: 1 1/2", W: 1", D: 3"

OPTIONAL ACCESSORIES

- RS1000-RX rain receiver for multiple controllers
- RFS1000-RX rain/freeze receiver for multiple controllers
- RSCAP cap/disk/spindle assembly
- RSBATT-TX battery pack (includes 2 batteries)

Hunter®



A complete line-up of rugged, professional-grade valves designed to handle the full range of landscape needs.

This hard working, heavy-duty performer offers you the best features you'll need to handle the rigors of whatever your site has to offer. For smaller landscape applications, the PGV is available in four 1" body configurations, in either an angle, female threaded and slip, male x male, or male x barb design. In turn, each model is available with either flow control or non-flow control versions. For larger landscape applications, the PGV comes in both 1½" and 2" globe/angle models (with flow control). All models feature durable high-grade construction and a rugged diaphragm with a support to prevent stress failure.

Features & Benefits

- **Heavy-duty Hunter solenoid** Provides dependable operation and long life
- **High grade construction, 150 PSI rating** Made of durable materials to resist wear
- **Internal and external manual bleed** Two options for manual operation
- **Flow control with non-rising handle** Adjust the flow of each zone on a system
- **Rigid diaphragm support** Works to prevent stress failure in tough conditions
- **Globe and angle configurations** Easy to use in any application
- **Captive bonnet bolts and solenoid plunger** No lost parts during servicing
- **Accu-Sync™ pressure regulator compatible:** Pressure regulation for precise system control on all PGV models

A Valve for Those with a Different Slant on Installations

If your system's main line is deeper than its lateral line, Hunter has a valve created exclusively for your needs. The angle version of the PGV offers all the great features that you've come to expect in a Hunter valve, plus a design equipped to handle the special configurations of your installations. While many would consider the use of such a product to be somewhat non-traditional, the PGV angle actually boasts a flow characteristic that provides less friction loss than you'll find in a globe version valve in a more "traditional" system layout. Thus, the PGV angle can be an ideal choice for irrigation systems that have to operate with low water pressure.



OPTIONAL UPGRADE

MP ROTATOR

-IDEAL FOR SMALL AREAS

Hunter®

RESIDENTIAL & COMMERCIAL IRRIGATION



Reliable Operation

Patented double-pop nozzle keeps the sprinkler free from external debris.

Accurate Adjustments

Adjustable arc and radius with matched precipitation. Radius can be reduced up to 25%.

Efficient Application

Multiple rotating streams provide even coverage and wind resistance, eliminating dry spots.

Durable

Removable inlet filter keeps sprinkler free from internal debris.

Easy Installation

Compatible with all spray bodies - perfect for retrofits. Use the MP-HT for female-threaded spray bodies.

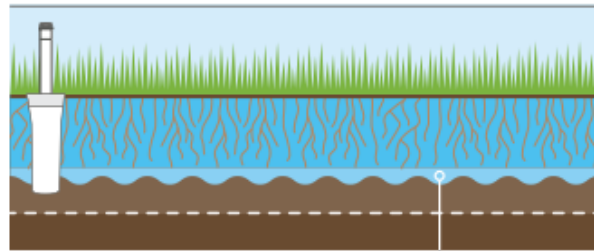
Pressure Regulation

For best results, use the pressure-regulated Hunter PRS40.

SAVE MONEY
by using up to **30%**
LESS WATER



MP Rotator Provides Uniform Distribution

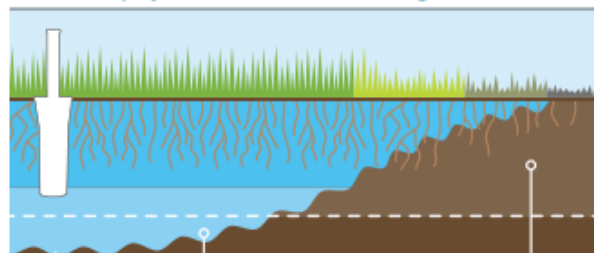


Even coverage with matched precipitation

The MP Rotator nozzle maintains its low precipitation and high uniformity while being adjusted for arc and radius, making it easy to design even irregular-shaped areas.

Water is delivered at 0.4 in/hr with the standard MP Rotator and 0.8 in/hr with the SR series, more closely matching what typical soils can absorb.

Traditional Spray Heads Result In Poor Coverage



Sprays create dry spots, flooding, and runoff

Due to the lack of uniformity, overwatering is the only way to ensure that the driest areas get enough water to keep the landscape green.

The rate of water delivery is also a factor. Traditional sprays disperse water at about 1.6 in/hr causing flooding and leading to runoff. Typical soils just can't absorb water that quickly.

OPTIONAL UPGRADE

PGP-PRB (PRESSURE REGULATED BODY)

-IDEAL FOR LARGE AREAS

Hunter®

RESIDENTIAL & COMMERCIAL IRRIGATION

Save Water with the World's Best ¾" Rotors

Hunter Industries is proud to introduce the Pressure Regulated Body for the PGP-04 and I-20 rotors. The pressure-regulated bodies will take incoming pressures of 50-100 PSI and reduce them to 45 PSI. The Hunter PRB rotors allow the nozzles to operate at peak efficiency, saving water. Having the pressure regulator in the body allows it to remain in place and functional even if the original riser is removed and replaced for service.



To learn more, view the [webpage](#).

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.


Gregory R. Hunter, President of Hunter Industries

► PRESSURE REGULATED BODY

Reduces high incoming pressure to prevent misting and allows nozzles to operate at peak efficiency. Lower pressure produces larger water droplets that fight the effects of wind.

PGP Ultra 4", I-20 4" and 6"

