



LANDSCAPE IRRIGATION PRODUCTS  
**2023 WHAT'S NEW GUIDE**

The Intelligent Use of Water.®

## IQ™4 Central Control Software

Take control of your irrigation business and your reputation with remote access to irrigation systems from any web-enabled device.

The IQ4 Platform offers state-of-the-art monitoring, programming and control features in one easy-to-learn user interface so you can spot an issue from a mile away... or a thousand miles away. Stay ahead of the curve with built-in evapotranspiration (ET) intelligence, automatic weather-based adjustments, catastrophe avoidance and more. Reduce the time you spend in the field and let IQ start working for you.

### Launched in 2022

- ▶ Manual Operation page dedicated to in-field operations
- ▶ Scheduled reports
- ▶ Controller diagnostics
- ▶ Enhanced Dryrun™
- ▶ Enhanced controller diagnostics
- ▶ Learned Flow
- ▶ Chat feature
- ▶ Master Valve sharing



**iQ4**

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### Equipped with a modern user interface

- ▶ Accessible from any device connected to the internet
- ▶ Fully optimized for smartphones and tablets
- ▶ All features available on any device

### Starring streamlined navigation

- ▶ Quick and simple setup
- ▶ User-friendly, intuitive interface
- ▶ Time-saving, group editing capabilities

### Featuring tiered user access

- ▶ Easily customize tiered permission settings for field devices
- ▶ Assess the system without interruption to watering programs
- ▶ Gain remote access to ESP-LXD, ESP-LXME, ESP-LXME2, and LXIVM controllers with IQ cartridges



#### Quick Tip:

4G IQ Cartridges are available. Contact Rain Bird GSP (866) 477-9778 about our 3G to 4G Exchange Program.



*Ideal for commercial applications such as HOAs, schools, parks and other sites that require flow sensing, more than 22 stations, or comprehensive water management across one or more controllers.*

## ESP-LXIVM 2-Wire Controller with Smart Valve Technology

### Revolutionary 2-Wire design with Integrated Valve Module (IVM)

Rain Bird's newest 2-Wire Controller has advanced flow management tools and powerful new features such as the Integrated Valve Module with "smart solenoid" that stays in constant communication with the controller to provide efficient irrigation and advanced diagnostics.

*Designed for the largest and most demanding sites such as housing or condominium complexes, schools, sports fields, parks, public spaces, or large industrial and commercial sites.*

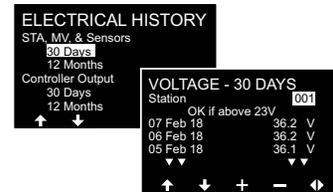


Coming Soon:

LNK2 WiFi Module support for the ESP-LXME2 and ESP-LXIVM controllers.

Make sure you upgrade your Rain Bird Mobile App to version 2.18 for both iOS and Android interfaces.

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### Eliminate decoders

- ▶ 50% less wire splices saves time and money on installation, maintenance and repair
- ▶ Supports up to 60 stations standard or 240 stations with LX-IVM Pro

### Simple user interface

- ▶ Large, easy-to-read backlit display
- ▶ Additional buttons for increased functionality and ease of programming

### Precise diagnostics

- ▶ Two-way communication between the IVM field device and controller
- ▶ Connect up to four 2-Wire paths
- ▶ Discover problems and isolate shorted paths faster

## Smart Valves Preinstalled with IVM-SOL

### Best-in-Class Valves Now with IVM-SOL Preinstalled

Rain Bird's PGA, EFB-CP and PEB/PESB Series valves are now available with the Integrated Valve Module "smart solenoid" (IVM-SOL) preinstalled. Pair any of our new IVM Smart Valves with the ESP-LXIVM Two-Wire controller to eliminate decoders, reduce system cost, and improve reliability today.

#### MODELS

- ▶ 100PEBIVM & 100PESBIVM: 1" Valve with IVM-SOL
- ▶ 150PEBIVM & 150PESBIVM: 1.5" Valve with IVM-SOL
- ▶ 200PEBIVM & 200PESBIVM: 2" Valve with IVM-SOL
- ▶ IVM100PGA: 1" Valve with IVM-SOL
- ▶ IVM150PGA: 1.5" Valve with IVM-SOL
- ▶ IVM200PGA: 2" Valve with IVM-SOL
- ▶ IVM100EFB: 1" Brass Valve with IVM-SOL
- ▶ IVM150EFB: 1½" Brass Valve with IVM-SOL
- ▶ IVM200EFB: 2" Brass Valve with IVM-SOL



PE-IVM



EFB-CP IVM

### Advanced flow management

- ▶ FloWatch™ and FloManager™ optimize water usage, guard against high and low flow conditions and shorten total watering time

*"The innovative breakthrough is in the Integrated Valve Module, which relays valve status back to the controller and provides real-time monitoring of valves."*

— Irrigation Association®

## ESP-LXME2 Next Generation Traditionally Wired Controller

**NEW**

### Where tradition meets innovation.

The popular LXME Series commercial controllers have been upgraded, now offering up to 40 programs, a simplified user interface, additional connectivity options, and more. The LXME2 Controller provides flow sensing and management with modular station capacity from 12 to 48 stations.

**PRO**

#### Ask about the LXME2 PRO!

Attach a flow sensor input and a second booster pump circuit or normally closed master valve. (Available factory or field installed.)



#### Coming Soon:

LNK2 WiFi Module support for the ESP-LXME2 and ESP-LXIVM controllers.

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### Modular design

- ▶ Perfect for traditionally wired new installs or retrofit applications
- ▶ Easy upgrade from LXME to LXME2 by swapping the front panel\*
- ▶ 12-station base unit expandable to 48 stations with 12-station modules\*

#### MODULAR UPGRADES

- ▶ Station capacity
- ▶ **PRO:** Flow sensing and additional 2nd Booster Pump Circuit programmable by station
- ▶ Metal case & pedestal
- ▶ NCC Network Control Communication Cartridges

### Intuitive operation

- ▶ Large backlit LCD display with easy-to-navigate user interface
- ▶ 6 user-selectable languages
- ▶ Add or remove modules without powering down
- ▶ Copy/paste runtimes and Cycle + Soak programming from one station to many

### Powerful water management

- ▶ FloWatch™ protection for high and low flow conditions
- ▶ FloManager™ manages hydraulic demand
- ▶ SimulStations™ allow up to 5 stations to operate at once
- ▶ Water Windows by program plus Manual MV Water Window
- ▶ Cycle+Soak™ by station
- ▶ Intelligent calendar and weather-based delays

\*Only 12-station modules are compatible with the LXME2

## ESP-9V Battery-Operated Controller NEW

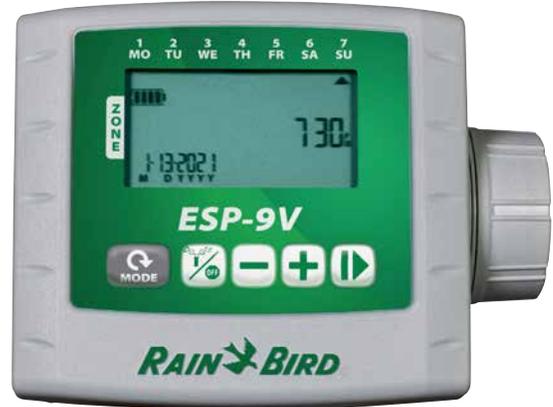
Get reliable, automatic irrigation control, even when you don't have AC power—now with a 5-year warranty included!

Built to be installed virtually anywhere, the ESP-9V operates reliably for more than two years using two 9V batteries. With a waterproof case and dual-sealed battery compartment, life in a wet, dirty valve box is no problem. Get the convenience and efficiency of automatic irrigation control with the ESP-9V. Easy to use, easy to install, easy to own.

### MODELS

- ▶ ESP9V1: 1-Zone ESP-9V Controller
- ▶ ESP9V2: 2-Zone ESP-9V Controller
- ▶ ESP9V6: 6-Zone ESP-9V Controller
- ▶ ESP9V1SOL: 1-Zone + 9V Solenoid

MORE THAN **25%** LOWER LIST PRICE than Competing Controllers



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### Reliable & long-lasting design

- ▶ Plastic, weatherproof controller case with outstanding resistance to weather, yellowing and aging
- ▶ Operates for approximately one full year using one 9-volt alkaline battery, or two years with two 9-volt alkaline batteries
- ▶ 5-year warranty included
- ▶ Sensor input with bypass override
- ▶ Mast valve/pump-start circuit (multi-zone units only)
- ▶ Non-volatile (100-year) program memory
- ▶ IP68 certified for protection against dust and water intrusion

### Straightforward & user-friendly

- ▶ Large LCD display with simple-to-navigate user interface
- ▶ Dedicated manual watering button for easy operation
- ▶ Automatic zone-stacking ensures that only one valve irrigates at the same time
- ▶ Contractor Rapid Programming™ feature
- ▶ Run times, start times, and watering days are customizable by zone
- ▶ 6 start times per zone, 4 watering day options per zone
- ▶ Delay watering (1 to 9 days)

## RC2 Residential Connected Controller NEW

### Smarter from the Inside.

Building upon Rain Bird's legacy of The Intelligent Use of Water, this controller offers simple, water-saving features that you will actually use. The mobile-first interface provides homeowners with the convenience they've come to expect while offering contractors the easiest and fastest programming experience possible.

#### MODEL

- ▶ RC2-120V: 8-Station

#### Smart Home Integration with:



#### ACCESSORIES

- ▶ WR2-RFC: Rain + Freeze Combo
- ▶ WR2-48: Rain + Freeze Combo with 48-hour hold
- ▶ RSD-BEx: Rain sensor w/ latching bracket, extension wire

SAVE UP TO **50% MORE WATER**



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### Quick to install

- ▶ Suitable for sites with up to 8 stations
- ▶ One model for indoor or outdoor installation

### Simple to program

- ▶ Quick Pair technology for fast and seamless mobile connection
- ▶ Rain Bird mobile app provides easy access to all program features
- ▶ 3 available programs with up to 4 start times for each program
- ▶ Schedule templates allow contractors to save commonly used programs to import to a controller quickly and easily

### Advanced features

- ▶ Delay Watering up to 14 days and automatically resume after the set delay has elapsed
- ▶ Cycle and Soak by station give the contractor and homeowner an easy way to prevent wasted water due to run-off
- ▶ Seasonal Adjust by program allows you to reduce or increase watering by program
- ▶ Forecasted weather delays prevent irrigation when there is rain, wind, or freezing temperature in the forecast

### WiFi included

- ▶ User-friendly mobile app interface gives contractors and homeowners access from anywhere in the world
- ▶ Wireless Access Point will allow connection to the controller with the push of a button for easy on-site contractor access



## Smarter From The Inside. RC2 Controller



### Powerful Control From Anywhere.

With the **Rain Bird RC2 Controller**, everything is built-in. Behind the cover it's ready to control an 8-Zone irrigation system with WiFi Connectivity. Everything from our Quick Pair Technology to time saving Schedule Templates that load commonly used programs has made set-up faster and easier. Because you can manage multiple locations from anywhere, you'll get real-time alerts for a seamless experience that you and your customers will appreciate. It's time to work smarter and offer your customers the technology they are looking for.

Visit [RainBird.com/RC2](https://www.rainbird.com/RC2) to learn more!

## LNK2 WiFi Module NEW

LNK2 upgrades the ESP-ME3, ESP-Me, ESP-TM2 and ESP-RZXe controllers with WiFi capabilities, allowing for system management from any place, at any time, with the mobile app.

Just plug in the module to your controller, pair it with the free Rain Bird Mobile App and get real-time alerts.

### MODEL

- ▶ LNK2 WIFI

Now with a strengthened network connection and Bluetooth® Fast Pair

NEW



### Coming Soon:

LNK2 WiFi Module support for the ESP-LXME2 and ESP-LXIVM controllers.

Make sure you upgrade your Rain Bird Mobile App to version 2.18 for both iOS and Android interfaces.

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### Experience the difference with instant connectivity

- ▶ Unlocks WiFi capabilities in our most popular controllers, making them fully accessible and programmable from iOS or Android compatible devices
- ▶ Smart Home Compatible (NA, EU and Australia)



### Achieve peace of mind

- ▶ Receive push notifications for irrigation and weather-based events.
- ▶ Tailor alerts so you only get the information that matters
- ▶ Enable remote diagnostics; set up service calls, access troubleshooting, receive freezing conditions warnings, and much more

### Access our free professional app and manage multiple sites

- ▶ Use your phone like a wireless remote or operate the controller at the controller—you choose
- ▶ Water a single zone, all zones, or set a custom schedule
- ▶ Simple, multi-site management
- ▶ No tools required



### Exercise powerful intelligence

- ▶ Save up to 50% in water with weather-based adjustments to run times
- ▶ Utilize superior programming capabilities designed to meet the most stringent water restrictions
- ▶ Encrypted wireless communication protects user privacy

## TBOS-BT-LT: Bluetooth Battery Operated Controller

### Install Anywhere. Program From Your Smartphone.

TBOS-BT-LT 9V battery controller with Bluetooth provides commercial-level irrigation control that you can program with your smartphone via the free Rain Bird mobile app. Eliminate the need to access the valve box and install this controller in highway medians, roundabouts, or anywhere you need irrigation control but do not have AC power.

#### MODELS

- ▶ TBOS-BT1LT: 1 Station, no Infrared Port
- ▶ TBOS-BT2LT: 2 Stations, no Infrared Port
- ▶ TBOS-BT4LT: 4 Stations, no Infrared Port

*TBOS-BT-LT - "LT" stands for light and is programmable via smart phone only (no infrared for legacy hand-held transmitter) offering a high value solution for smart, 9V control.*



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### Increases efficiency

- ▶ Install anywhere: 40 ft. max Bluetooth range\*
- ▶ Skip the valve box and control right from your smartphone

### Minimizes maintenance visits

- ▶ Program Monthly Seasonal Adjust and leave it for a year
- ▶ Tamper-proof design

### Offers flexible programming

- ▶ Controls up to 4 zones, 4 watering day options per zone
- ▶ Backwards compatible
- ▶ 3 independent programs
- ▶ 8 start times per day

*\*40 ft Bluetooth range is assuming a clear line of sight between the TBOS-BT-LT and the Bluetooth connected device. Be advised that any physical obstruction can diminish the range of communication.*



## G-Series HN Filter NEW

Reduce time consuming filter maintenance and improve irrigation system performance with a compact and economical automatic backwash filter.

The automatic screen-type G-Series HN water filter keeps irrigation systems free of the contaminants that degrade performance and efficiency. It's easy to install, does not require special skills or tools to operate, and is ideal for filtering out silt, scale, sand, rust and dirt from a variety of irrigation water sources.

### MODELS

- ▶ HN-G-02-1 : 2" Automatic Filter with AC/DC Controller
- ▶ HN-G-02-2 : 2" Automatic Filter with IVM and 24VAC Solenoid (No Controller)

*150, 200 & 400 micron versions available*



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### Easy-to-operate

- ▶ Fully automatic
- ▶ Self-cleaning
- ▶ No tools needed

### Customizable to your needs

- ▶ Available with automatic backwash controller powered by 110VAC or batteries
- ▶ Available without backwash controller when controlled by an IQ programmed Rain Bird LX controller

### Powerful yet efficient

- ▶ Handles flows of 27 to 100 GPM
- ▶ Accommodates pressure up to 100 PSI
- ▶ 7-second backwash flush cycle uses 5 gallons of water

## Self Priming Lawn Sprinkler Irrigation Pump NEW

Keep lawns lush and gardens growing while conserving resources.

Built for continuous operation of lawn sprinkling and water feature applications, Rain Bird's self-priming centrifugal booster pumps are perfect in applications where up to 66 gpm are needed. Our pumps are 100% balanced at the factory for industry-leading quiet operation, and every pump is factory tested to ensure optimal performance of plumbing and electrical systems.

### MODELS

- ▶ BPUMP1HP: 1HP Booster Pump
- ▶ BPUMP1-5HP: 1.5HP Booster Pump



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### Rapid install and fewer points of failure reduces callbacks and time on the job

- ▶ Quick, self-priming operation for lawn irrigation
- ▶ Standard 2" inlet reduces the need for additional pipe adapters and decreases potential points of failure
- ▶ Equipped with a 115/230 dual voltage motor for maximum flexibility

### Constructed with ease of maintenance in mind

- ▶ 4 bolts remove the motor for easy maintenance without disconnecting piping
- ▶ Easy-access drain plug

### Built tough in the USA with nearly all American-made content

- ▶ Heavy-duty cast-iron construction
- ▶ Capacitor-assisted start up and 2 oversized self-lubricating ball bearings for quiet, continuous operation
- ▶ Chemical and abrasion resistant fiberglass reinforced thermoplastic impeller
- ▶ Cool running motor engineered for continuous operation in ambient temperatures up to 145 F (65c)

## FG100 Flow Sensor NEW

### Defend Against Leaks with Flow-Sensing Technology.

Designed for residential and smaller commercial applications, the FG100 monitors irrigation and instantly identifies when there is a leak or line break so it can be addressed early. This durable flow sensor manages water efficiency, protects homeowners from potential damages, and positions you as a guardian of your customers' property and landscape—earning you a stronger reputation over time.

#### MODELS

- ▶ A83926 FG100 1" / 25.4 mm Flow Sensor NPT
- ▶ A83927 FG100 1" / 25.4 mm Flow Sensor Slip

**35% MORE  
WATER SAVINGS\***



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#### Provides maximum value

- ▶ A low-cost upfront investment
- ▶ Pays for itself with preventing just one leak
- ▶ Saves time, saves labor, and pinpoints issues faster

#### Straightforward & convenient

- ▶ Quick and easy to install
- ▶ Added with 18g irrigation wire—no specialty PE-Cable
- ▶ Winter-ready upon install



Pair the FG100 Flow Sensor with the ESP-ME3 Controller to check system health from anywhere via the Rain Bird Mobile App, available for iPhone and Android, when adding the LNK2 module.

*\*SOURCE: Wireless and Wired Flow Sensors and Dedicated Submeters Used to Manage Large Residential Estates and Improve Irrigation Efficiency Report*

**DISCLAIMER:** The FG100 Flow Sensor is available in select markets. Get in touch with a Rain Bird sales representative to see whether it's available near you.



## Ultrasonic Flow Sensors NEW

### The Most Advanced Irrigation Flow Sensor Available

The Ultrasonic Flow Sensor (UFS) by Rain Bird is what modern irrigation has been waiting for. Accurately measure very low and high flow rates, all in one sensor. Advanced sensing technology produces stable and accurate readings with no straight pipe requirements. Enjoy new flexibility in system design and place your Ultrasonic Flow Sensor anywhere on your irrigation system—even in the same valve box as your master valve.

#### MODELS

- ▶ UFS200 - 2" (50mm) Ultrasonic Flow Sensor
- ▶ UFS150 - 1 ½" (40mm) Ultrasonic Flow Sensor
- ▶ COMING SOON: UFS100 - 1" (25mm) Ultrasonic Flow Sensor



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### Low & high flow measurement

- ▶ Wide flow range perfect for systems with multiple emission devices
- ▶ Ultrasonic transducer and reflector technology means more precision than traditional impeller meters
- ▶ Flow Ranges:
  - ▷ UFS100 0.3-50 GPM
  - ▷ UFS150 0.5-110 GPM
  - ▷ UFS200 1.0-200 GPM



### Reliability

- ▶ No moving parts for greater lifespan
- ▶ On-board LED lights for immediate status feedback
- ▶ Special body material grants high pressure and working temperature ratings



### No straight-pipe requirements

- ▶ Specialized design requires no straight pipe before or after the sensor
- ▶ Install near pipe bends or valves with consistent performance
- ▶ Save on time and material—install in the same box as your valve

## XFDe Dripline **NEW**

### Longer Lateral Run Lengths & Higher Kink Resistance

Utilizing a revolutionary new emitter technology developed by Rain Bird engineers, XFDe dripline is ideal for large zones where dripline laterals may exceed 400 feet or more. The new low-profile pressure-compensating emitter reduces friction loss within the tube, enabling extra-long maximum lateral run lengths. XFDe dripline laterals can be installed up to 50% longer than competitor products. XFDe dripline is even more flexible and kink resistant, allowing for an easy and quick installation even on the coldest days.



#### MODELS

- ▶ XFDe - Coil Color: Brown
- ▶ XFDe-6-12-250: XFDe, 0.6 gph (2.3l/h), 12" (30.5cm) spacing, 250' (76.2m)
- ▶ XFDe-9-12-250: XFDe, 0.9 gph (3.5l/h), 12" (30.5cm) spacing, 250' (76.2m)

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#### Easy to install

- ▶ Greater flexibility and kink-resistance
- ▶ 3" bend radius in any direction, even in the cold
- ▶ Accepts the following fittings:
  - ▷ Rain Bird XF Insert
  - ▷ Easy Fit Compression
  - ▷ 17mm insert
  - ▷ LOC

#### Reliable

- ▶ Consistent flow over the entire lateral length
- ▶ Higher uniformity at inlet pressures up to 60 psi

#### Cost effective

- ▶ Longer dripline laterals allow for larger zones and lower material and installation costs
- ▶ Dual-layered tubing for unmatched longevity



## XFS-CV Dripline

Made tough with Copper Shield™ Technology and a heavy-duty check valve, the XFS-CV dripline gives you unmatched protection.

With a built-in check valve and a pure copper chip in every emitter to protect against root intrusion, XFS-CV is the most effective dripline in the industry, ideal for any application—on-surface, sub-surface, sloped or level-grade. Patented 4.3 psi check valve technology keeps the dripline charged with water at all times, increasing uniformity, and conserving water by eliminating the need to recharge the line at the beginning of each cycle.



Now available in 0.4 GPH



### MODELS

- ▶ Available in 0.4, 0.6 and 0.9 GPH
- ▶ 100', 250', 500' & 1000' lengths
- ▶ 12" & 18" spacing
- ▶ Option: Non-potable purple & purple stripe

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### Pure copper protection

- ▶ A pure copper chip protects every emitter from root intrusion
- ▶ The best choice for subsurface applications
- ▶ Dual-layered tubing provides unmatched resistance to chemicals, algae and UV damage

### Designed for durability

- ▶ Backed by 10 years of research
- ▶ Warrantied 16 years against emitter root intrusion
- ▶ Resists clogging by use of an extra wide flow path combined with a self-flushing action

### Highest holdback in the industry

- ▶ Complete with heavy-duty, patented check valve in every emitter
- ▶ Keeps the dripline charged, holding back 10' of elevation change
- ▶ Eliminates lowpoint drainage and provides uniform irrigation throughout the zone

### Highly versatile

- ▶ Available in a variety of standard emitter flow rates, emitter spacing and coil lengths
- ▶ Most flexible dripline tubing in the industry, making it easy to design with and install
- ▶ Accepts Rain Bird XF Dripline Barbed Insert Fittings and other 17 mm barbed insert fittings



## Xeri-Bug™ Emitters with Check Valve NEW

Xeri Bug™ with Check Valve (XBCV) is a pressure-compensating emitter that's the ideal choice for irrigation applications that want to conserve water.

XBCV prevents drainage by holding back 10 feet (3 m) of water—the highest in the industry. It's a smart solution for slopes, elevated zones, hanging baskets and more.



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### MODELS



**XBCV-05PC**  
0.5 gph (1.9 lph)

**XBCV-10PC**  
1.0 gph (3.8 lph)

**XBCV-20PC**  
2.0 gph (7.6 lph)

Self-Piercing Inlet x Barb Outlet



**XBCV-05PC-1032**  
0.5 gph (1.9 lph)

**XBCV-10PC-1032**  
1.0 gph (3.8 lph)

**XBCV-20PC-1032**  
2.0 gph (7.6 lph)

10-32 Threaded Inlet x Barb Outlet

### Convenience & versatility

- ▶ Most compact and unobtrusive emitters on the market, great for any terrain
- ▶ Widest selection of pressure-compensating emitters, with 3 flow rates and 2 inlet options
- ▶ Flow-rates of 0.5, 1.0 and 2.0 gph (1.89, 3.79 and 7.57 l/h)
- ▶ Pressure-compensating design delivers uniform flow throughout a wide pressure range (15 to 50 psi; 1.0 to 3.5 bar)

### Easy installation & maintenance

- ▶ Self-piercing inlet barbs, making them the easy to install using the Xeriman™ tool
- ▶ Self-flushing action minimizes clogging
- ▶ Robust design made from highly inert materials that are resistant to chemicals
- ▶ Durable plastic construction is UV-resistant
- ▶ Color-coded to identify flow rate



## SQ Series Nozzle with 3/4 Square Pattern NEW

**Precise and efficient, low-volume spray nozzle for irrigation around the perimeter of trees or shrubs.**

SQ Series Nozzle with 3/4 Square Pattern is pressure compensated, ensuring a precise and efficient, low volume spray for surface watering the perimeter of trees and shrubs, while avoiding the trunk. With the unique edge-to-edge pattern, coverage is achieved with only two nozzles, making them a cost effective solution.

### MODELS

- ▶ SQ-3QTR: SQ Nozzle, three-quarter pattern
- ▶ SQ-QTR: SQ Nozzle, quarter pattern
- ▶ SQ-HLF: SQ Nozzle, half pattern
- ▶ SQ-FUL: SQ Nozzle, full pattern
- ▶ SQ-ADP12: SQ Nozzle Adapter with 12" PolyFlex Riser
- ▶ SQ-ADP: SQ PolyFlex Riser Adapter only



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### Unique pattern for trees

- ▶ Designed to irrigate precisely around the perimeter of trees and shrubs
- ▶ Great for corners in narrow planting beds, parking lot islands, walkways, parkways, and street medians

### Impressive versatility

- ▶ Application flexibility simplifies design and installation
- ▶ Can be installed on a variety of spray heads and risers
- ▶ One nozzle throws 2.5' or 4' (0.8m or 1.2 m)

### Unbeatable savings

- ▶ Fewer nozzles needed due to unique square pattern with edge-to-edge capability
- ▶ Decreases cost and installation time
- ▶ Reduces overspray, property damage, and liability
- ▶ Meets micro irrigation system requirement with less than 26 gph flow rate at 30 psi



# THREE ESSENTIAL TOOLS FOR TREE HEALTH

## 1. SQ3QTR Square Pattern Nozzle (NEW)

This innovative low-volume spray nozzle is ideal for irrigation around trees or shrubs. Precise and efficient, it offers a unique edge-to-edge pattern that is adjustable to accommodate growth. This versatile option saves water – and money.

## 2. Root Watering System

Subsurface root irrigation minimizes run-off and evaporation while ensuring deep and broad roots at the time of planting. Rain Bird Root Watering Systems are great for protecting your tree investment.

## 3. XFS-CV Dripline

Dripline is a versatile and flexible tree irrigation solution that can be extended as the tree grows. XFS-CV is ideal for subsurface installation around trees with a pure copper chip inside every emitter that provides the industry's most effective root intrusion protection. XFS-CV also offers better distribution uniformity, avoiding puddling, over-watering and excess runoff.

[RainBird.com/TreeStories](http://RainBird.com/TreeStories)

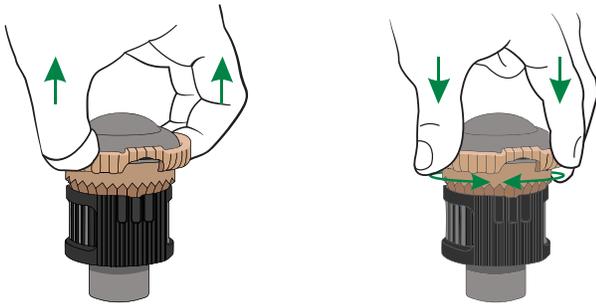
## R-VAN Rotary Nozzles

High-efficiency rotary nozzles give your business a bottom-line boost.

The R-VAN line is the next generation in nozzle design, engineered to deliver the most efficient coverage while making installation and maintenance quick and easy. Rotary nozzles have evolved—it's time to advance with R-VAN.



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**No Tools Necessary!**  
*Adjust & Flush by Hand*



### Matched Precipitation Rate

Fewer valves, less zones—one simple solution



### Larger Streams

Cut through wind to keep water in target zone



### Maximum Convenience

Adjust spray pattern, distance, angle, and flush by hand, no tools required



### Distribution Uniformity

Uniform coverage with no dry or soggy areas



### Highly Efficient

Shorter zone run times save water and energy



### Do More With Less

Fewer nozzles means lower inventory costs

### Convenient, user-friendly design

- ▶ Adjust the rotating spray pattern by hand, no tools required
- ▶ Manually flush debris by simply pulling up on the nozzle
- ▶ Leverage the nozzles' matched precipitation rates to simplify design and zoning

### Improves watering efficiency up to 30%

- ▶ Gentle, rotating streams create uniform coverage at lower precipitation rates
- ▶ Multi-stream technology optimizes absorption for healthier lawns
- ▶ Larger droplets and thicker streams cut through wind and keep water in target zone

### Valuable bottom-line savings

- ▶ Shorter zone run times save water and energy
- ▶ Lower precipitation rates reduce wasteful runoff and costly erosion
- ▶ Fewer nozzles needed to cover any area reduces installation time and costs



## 1802PRS and 1803PRS **NEW**

### Pressure regulation to 30 psi is now available in all 1800 Series pop-up heights (from shrub to 12")

Pressure regulation reduces water pressure and flow to create large water droplets that are less likely to be carried away in the wind. PRS also maintains consistent pressure at each spray head in sites with low and fluctuating pressure. With PRS you can save up to a gallon of water a minute, per spray head!

#### MODELS

- ▶ 1802-PRS: 2" (5 cm) pop-up height
- ▶ 1803-PRS: 3" (8 cm) pop-up height



*The Perfect Pair for spray nozzles at 30 psi! All spray sprinkler bodies with PRS are EPA WaterSense certified and meet state-specific PRS requirements.*

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#### Saves time, money, and resources

- ▶ Patented PRS pressure regulator built into the stem—no parts to be installed onsite!
- ▶ Maintains constant outlet pressure, ensuring consistent nozzle performance at 30psi (2.1 bar)
- ▶ Large droplets cut through wind and keep water in target zone
- ▶ Eliminates wasted water from misting and fogging
- ▶ EPA WaterSense certified

#### Made with reliable, heavy-duty materials

- ▶ Co-molded wiper seal provides unmatched resistance to grit, pressure and the environment
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