



CENTRAL CONTROL	2
CONTROLLERS & SMART VALVES	3
DRIP IRRIGATION	7
SPRAY & ROTARY NOZZLES	11
SPRAY BODIES	13

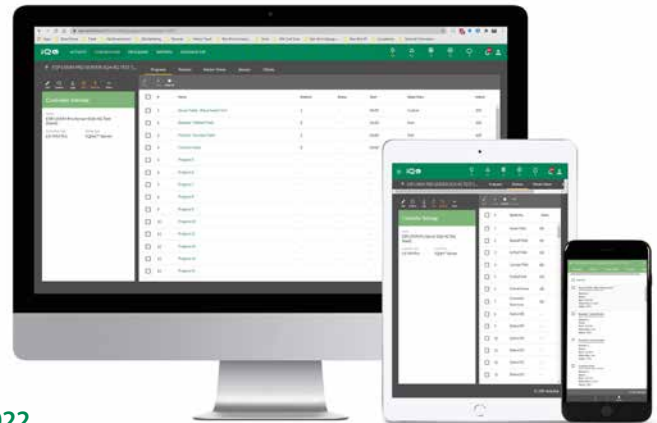
LANDSCAPE IRRIGATION PRODUCTS
2022 WHAT'S NEW GUIDE

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.



iQ4

NEW

- ▶ Manual Operation page dedicated to in-field operations
- ▶ Scheduled reports
- ▶ Controller diagnostics
- ▶ Enhanced Dryrun™

Coming Early 2022

- ▶ Enhanced controller diagnostics
- ▶ Learned Flow
- ▶ Chat feature
- ▶ Master Valve sharing



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-LXME2, and LXIVM controllers with IQ cartridges

Quick Tip:

4G IQ Cartridges are available. Contact Rain Bird GSP on gsporders@rainbird.eu or your distributor about our 3g – 4g GSP Exchange program.



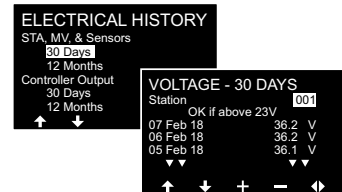
Ideal for commercial applications such as HOAs, schools, parks and other sites that require flow sensing, more than 22 stations, or comprehensive water management across one or more controllers.

ESP-LXIVM Two-Wire Controller with Smart Valve Technology NEW

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.



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 NEW

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

Rain Bird's PGA 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



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."

— IA

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.)



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 Series NEW

ESP-9V — Plays Rough. Works Easy.

The Rain Bird® ESP-9V Controller offers easy programming alongside a rugged design that can withstand the wettest, dirtiest and dustiest conditions — making it the clear choice for your irrigation control needs, no matter your location.

- ▶ **Unmatched 5-year warranty** — rest easy knowing Rain Bird has your back if your irrigation controller encounters issue
- ▶ **Weatherproof design** — superior protection from dirt, dust, and water so your battery-operated irrigation controller can truly be installed anywhere
- ▶ **2+ year battery life** — industry-leading battery life, even in harsh, humid conditions
- ▶ **Intuitive programming** — contractors, property managers and homeowners can easily streamline workflows and irrigate with precision

You have enough things to stress about. Don't let your irrigation control system be one of them. The new ESP-9V battery-operated controller is easy to use, easy to install and 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



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)

LNK2 WiFi Module NEW

In seconds the LNK2 WiFi Module upgrades the ESP-ME3, ESP-Me, ESP-TM2 and ESP-RZXe controllers – for real-time management anywhere, anytime, with the mobile app.

Without tools – just plug in the module, pair it with the free Rain Bird Mobile App and instantly be more efficient and effective.

MODEL

- ▶ LNK2 WIFI



Now with a strengthened network connection and Bluetooth® Fast Pair

NEW



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).

Manage multiple sites from anywhere

- ▶ 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.



Worry-free access to set yourself apart

- ▶ 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.

Powerful intelligence that protects and saves

- ▶ 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.

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 **NEW**

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

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

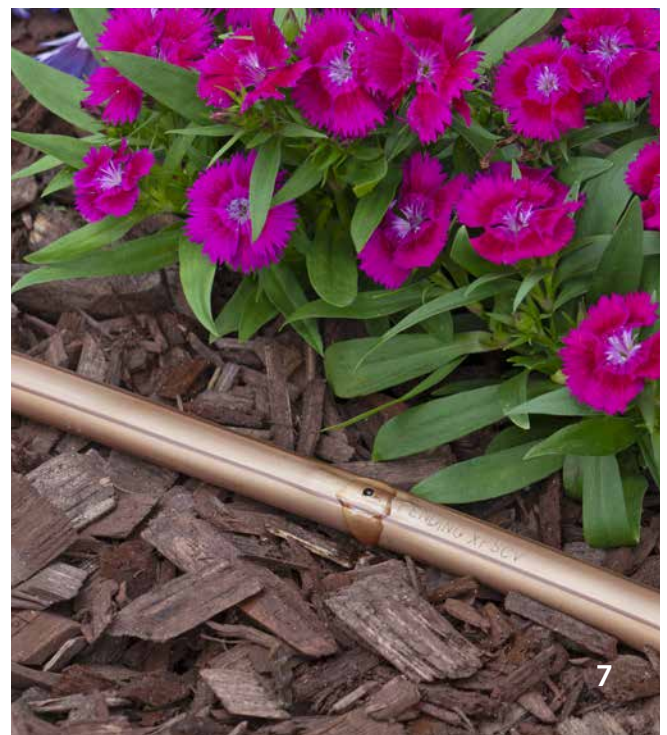
- ▶ Backed by 10 years of research
- ▶ Warrantied 16 years against emitter root intrusion
- ▶ Resists clogging by use of an extra wide flow path combined with a self-flushing action

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 Easy Fit Compression Fittings, 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.



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 barb, 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



1" Wide Flow Control Zone Kit **NEW** with IVM

A commercial grade wide flow zone with flow measurement and an easy connection to IVM Controllers.

Engineered to conquer every application from the purest water source to the harshest environment and everywhere in between, this Control Zone Kit comes complete with IVM SOL preinstalled and all the components necessary for on/off control, filtration, flow measurement, and pressure regulation—in one single package.



MODEL

- ▶ XCZ100IVM



Preinstalled IVM SOL

- ▶ Includes the PESB Valve with Integrated Valve Module (IVM)
- ▶ Provides patented scrubbing action
- ▶ Easy connection to IVM controllers

Flow-Indicating Basket Filter

- ▶ Provides flow measurement, filtration (stainless steel, 150 mesh) and 40 psi integrated pressure regulation—all in one—to protect your irrigation system

Easy shut off

- ▶ Ball valve for easy maintenance shut off, without having to shut down from the main source
- ▶ Convenient for systems with multiple zones



Flow-Indicating Basket Filter NEW

Flow measurement, filtration and pressure regulation—all in one.

The Flow-Indicating Basket Filter is the most complete solution to monitor drip system performance—it's the only product that provides all-in-one flow measurement, filtration and integrated 40 psi pressure regulation in one compact solution. The Flow-Indicating Basket Filter allows for easy monitoring of changes in the irrigation system with a quick glance at the dial, giving you additional control and peace of mind.

MODELS

- ▶ FLOW-100: 1" Flow-Indicating Basket Filter
- ▶ FLOW-100-PRB: 1" Flow-Indicating Basket Filter with Pressure Regulation
- ▶ IFLOW-100-PRB: 1" Flow-Indicating Basket Filter with Pressure Regulation and BSP Threads
- ▶ X CZ-100-FLOW: 1" Commercial Control Zone Kit with Flow Indication
- ▶ X CZ-100-IVM: 1" Wide Flow Control Zone Kit with IVM
- ▶ FLOW-RETRO: Flow-Indicating Basket Filter Retrofit Kit

2021
NEW PRODUCT
CONTEST
WINNER
Irrigation Association



All-in-one zone protection

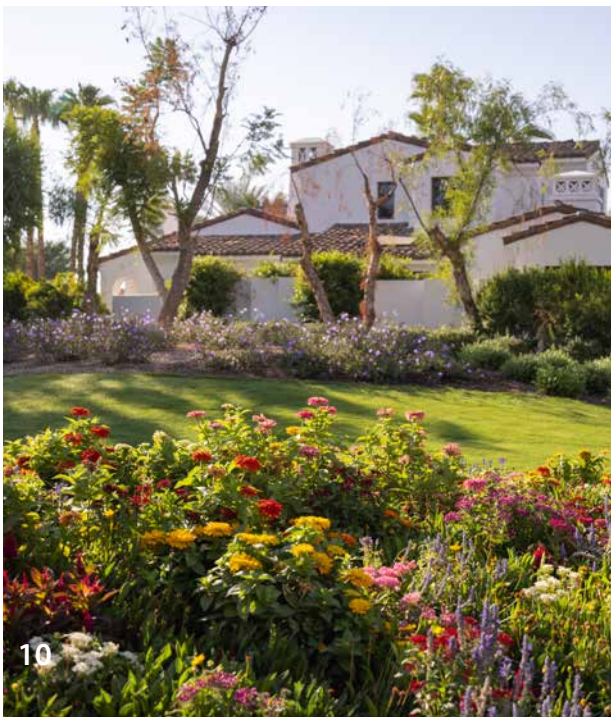
- ▶ Featuring flow measurement, filtration (100 micron) and 40 psi (2.8 bar) pressure regulation
- ▶ Cost-effective, 100% mechanical flow measurement feature
- ▶ Designed for use in both residential and commercial irrigation systems

Knowledge gives you control

- ▶ Audit the proper flow during installation and over time with just a quick glance at the dial
- ▶ Avoid call backs by addressing valve malfunctions, leaks or clogging early

Easy maintenance & installation

- ▶ Retro-fit model adds flow indication to any Rain Bird Basket Filter model
- ▶ Dial at the top of the filter cap indicates the accurate available flow rate for each zone
- ▶ Unique upright basket filter design provides easy access for maintenance
- ▶ Prevents debris from falling into the downstream line during routine maintenance



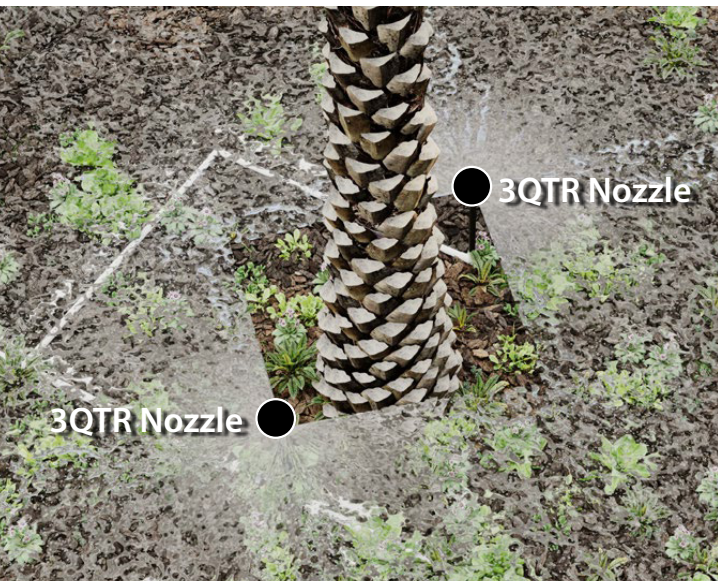
SQ Series Nozzle with 3/4 Square Pattern NEW

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



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

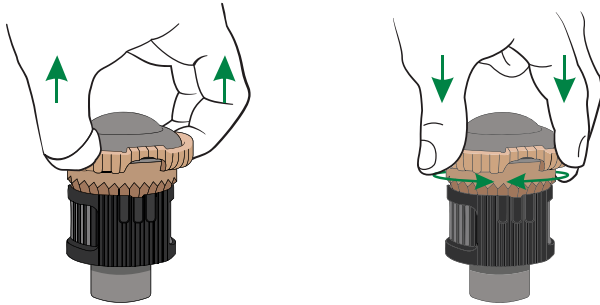
- ▶ Fewer nozzles needed due to unique square pattern with edge-to-edge capability
- ▶ Decreases cost and installation time
- ▶ Reduces overspray, property damage, and liability
- ▶ Meets micro irrigation system requirement with less than 26 gph flow rate at 30 psi

R-VAN Rotary Nozzles

Get accurate, even delivery of water in the pattern you need

R-VAN provides a full line of high-performance rotary nozzles that are engineered to deliver the most efficient coverage while offering installation and maintenance that's faster and easier than any other nozzle on the market.

Plus, R-VAN is designed with unique features such as hand adjustment, pull-to-flush, and matched precipitation. Because every drop matters.



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

Cut Through Wind

- ▶ Larger droplets and thicker streams cut through wind and result in more uniform coverage — even at long distances, so you can get the job done with less nozzles

Tool-Free Adjustment

- ▶ Quickly adjust the rotating spray pattern, including arc and throw distance, by hand, with no tools required

Instantly Flush Debris

- ▶ Simply pull up on the nozzle to clear clogs, streamlining maintenance time



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 3.78 liters (1 gallon) of water per 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.



Please note: 1802PRS and 1803PRS models do not physically accommodate rotating Variable Arc Nozzles (R-VAN)

Save time, money, and resources with PRS

- ▶ 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)
- ▶ Increases distribution uniformity, allowing for shorter run times
- ▶ Eliminates wasted water from misting and fogging
- ▶ Reduces water waste if the nozzle is damaged or missing
- ▶ EPA WaterSense certified
- ▶ Five-year trade warranty

1800SAMPRS and 1800SAMP45 **NEW**

Changes in elevation can lead to erosion and spray head drainage onto walkways. But our SAM (Seal-A-Matic) Check Valve holds back water up to 4.3 m (14 ft), preventing low head drainage. SAM-PRS products combine Seal-A-Matic check valves and PRS-30 or PRS-45 technology for optimal performance, ideal for sloped applications that have fluctuating or high pressure.

MODELS

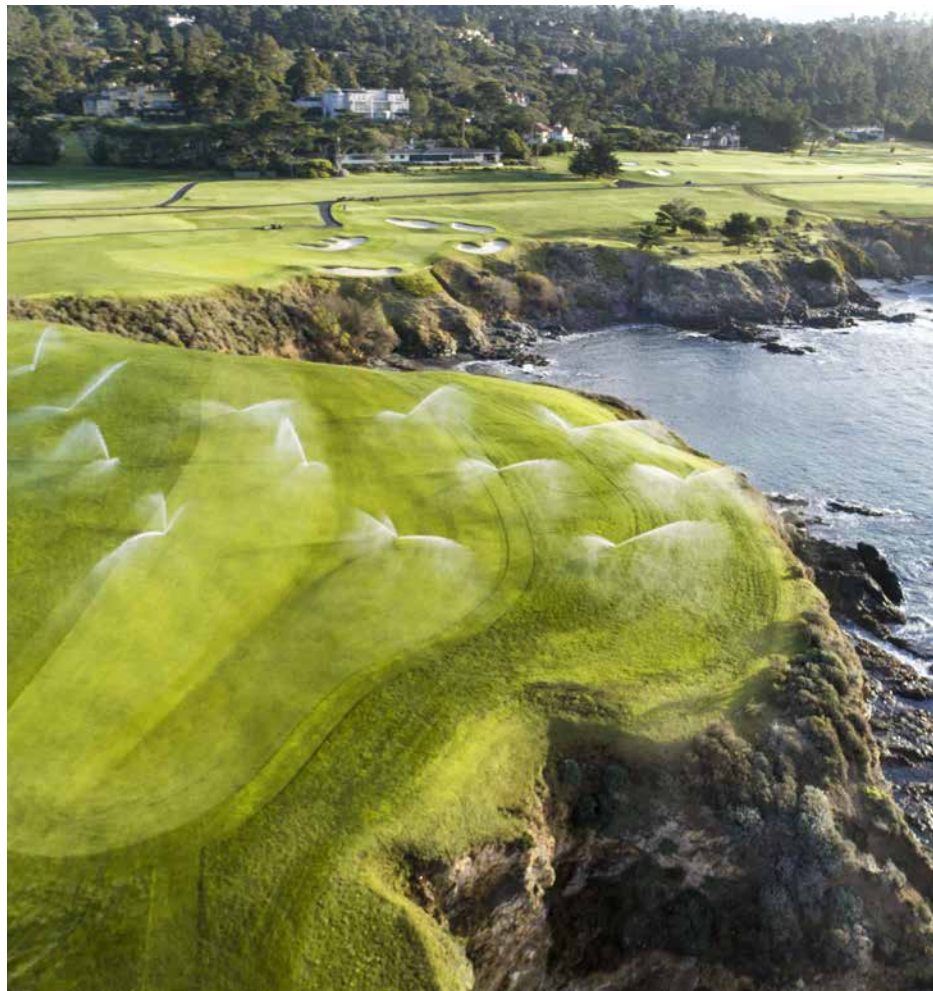
- ▶ 1804-SAM-PRS: 4" (10.2 cm) pop-up height
- ▶ 1806-SAM-PRS: 6" (15.2 cm) pop-up height
- ▶ 1812-SAM-PRS: 12" (30.5 cm) pop-up height
- ▶ 1804-SAM-P45: 4" (10.2 cm) pop-up height
- ▶ 1806-SAM-P45: 6" (15.2 cm) pop-up height
- ▶ 1812-SAM-P45: 12" (30.5 cm) pop-up height

SAM-PRS-30 (2.1 bar) is perfect for spray nozzles and SAM-PRS-45 (3.1 bar) is perfect for rotary nozzles



SAM provides the perfect compliment to PRS technology

- ▶ Built-in Seal-A-Matic (SAM) check valve eliminates need for under-the-head check valves
- ▶ Traps water in lateral pipes in elevation changes of up to 14 feet (4.2 m), preventing low head drainage at the base of slopes or hillsides
- ▶ Ideal for use in areas with changing elevations
- ▶ Prevents damage due to flooding or erosion
- ▶ Prevents water hammer on system start up



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At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

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