

MAKING A WORLD OF DIFFERENCE WITH

# WATER MANAGEMENT



Residential & Commercial Irrigation

## Sprays and Nozzles

Pressure activated pop up sprays and nozzles designed to irrigate shrubs and flowers. Features include 'In-Stem Pressure Regulation', high efficiency nozzles, Seal-A-Matic™ (SAM) check valve devices, and non-potable spray heads.

### Pop Up Spray Models

Unispray – 2 pop up sizes, compatible with all nozzles.

1800 – Industry standard with many sizes and options.

RD1800 – For demanding applications.

### Nozzles

VAN – Short to medium coverage.

HE-VAN – High efficiency short to medium coverage.

MPR – Matched precipitation nozzles.

R-VAN – Full circle, 360 and strip state of the art nozzles for close and long distance coverage.

## Landscape Drip

Made especially for low-volume irrigation systems they offer targeted watering with unparalleled efficiency and reliability.

### Drip Technology

XFD – On surface drip.

XFS – Sub surface drip.

XFCV – Sloped surface drip.

XF – Header pipe.

RWS – Root watering systems.

### Valves, Filters & Regulators

Low flow valves • In line filters • Control zone kits.

### Connectors

XFF fittings • Lock type fittings breathers.

## Valves

Excellent pressure and flow characteristics, representing the optimum balance between reliability, performance and value.

### Residential

HV – A high value 1" landscape valve for landscape applications.

DV – The classic, fully featured Rain Bird contractor irrigation valve for landscapes.

### Commercial and Sports

PGA – A commercial 1, 1.5" and 2" valve designed for bigger landscape or sports installations that require higher flow rates.

PEB – High quality, 13.8 bar valve in 1, 1.5" and 2" for applications that demand ultimate robustness and reliability.

100 Series – 3" plastic valve for high flow applications.

BPES Series – 3" brass valve for high flow and robust applications in Globe or Angle formation.



## Controllers

Rain Bird is focused on manufacturing products that give efficient water usage, and these controllers exemplify that philosophy.

### Residential and Small Commercial

Tap Timer – A simple to install single outlet programmer with a digital timer. A favourite starting point for irrigation installations.

ESP-RZX – 4, 6 or 8 station irrigation controller with multiple start times and easy programming. LNK Wifi compatible.

ESP-ME – 4-22 station expandable controller with feature-rich design. LNK WIFI compatible.

### Commercial

ESP-LXME – 8-48 station controller for larger commercial installations. Use with Rain Bird's communication cartridges and IQ Software for full remote control.

ESP-LXD – 50 station decoder controller, expandable to 200 stations. Compatible with Rain Bird field decoders.

Industry standard wall mounted controller for sports and commercial applications. IQ Compatible.

Site Control – For larger or more complex applications, Rain Bird's central control system can handle hundreds of stations. These systems are typically found in theme parks, resorts and similar large scale irrigation projects.

## Irrigation Rotors

Our range covers applications from landscape to sports turf, with industry leading features including Rain Bird's patented Rain Curtain technology that gives excellent water coverage. These high quality rotors are built to be reliable and robust with outstanding performance.

### Rotors

3504 – For small landscape or turf areas.

5000 – Mid distance rotor packed with performance and water saving features.

6504 Falcon – For longer distances in larger turf areas and sports applications.

8005 – Industry standard 'in pitch' rotor for football and other areas. Sod Cup also available.

900, 951 Eagle – 'Valve in Head' or block versions available for extra long distances and superb coverage.

### Waterjets

XLR24 – Designed for standard applications such as sports field irrigation or horse arenas.

XLR44 – Adapted for dust control and applications where height and elevation of the stream to overcome obstacles or piled-up product is important.

XLR ADJ – Adjustable stream angle can be tuned to avoid electric power lines or keep a low profile in high winds.

### Connections

Swing Joints – Full range of BSP and ACME threads to suit larger rotors.

SPX Flex Pipe – For 3504, 5000 Series and Spray Bodies.

SB Series Fittings – Make connecting small rotors to SPX Flex pipe easy and quick.

## Accessories

A wide range of accessories are available to connect and compliment the Rain Bird main products. Some are listed below, but please enquire to find out about the rest of the range.

Irrigation cables • Drip pipe-fittings, emitters, filters and regulators • Rain, freeze and moisture sensors • Tools • Swing Joints and flexible connecting pipes • Valve and joint boxes.

# MANAGEMENT



## Golf Course Irrigation

With an exclusive focus on irrigation for 85 years, Rain Bird designs total system solutions for all your new and renovated system needs. Reservoir to rotor systems provide complete integration of components, making them easier to manage and more efficient to operate than mix-and-match solutions. This saves water and labour costs every time you run your system with additional benefits such as Timeless Compatibility™ and real-time response that only Rain Bird can offer.

### Golf rotors

Rain Bird golf rotors are engineered for precise application and distribution uniformity, helping you get the most from your water source. They also offer a low cost of ownership through a powerful combination of versatility, performance and durability. Intelligent, easy-to-use features like a top serviceable design and quick full-circle/part-circle adjustments save greenkeeping teams time. Every EAGLE® rotor manufactured since 1992 has been designed for Timeless Compatibility™, giving you the flexibility to update the internal assembly without having to dig up the case.

### 551 Series

- Radius: 32' to 55' (9.8 to 16.8m)
- Pressures: From 60–100 psi (4.1 to 6.9 bars)
- Arc: Full Circle: 360° / Part Circle: 30° to 345°

Rain Bird 551 Series rotors provide the right coverage for tee boxes, greens and other small areas with short and medium throw range. Rapid-Adjust Technology enables easy arc adjustments with the turn of a screw.



### 700 Series

- Radius: 57' to 79' (17.4m to 24.1m)
- Pressures: From 60 to 100 psi (4.1 to 6.9 bars)
- Arc: Full Circle 360°

For use on greens, fairways, surrounds and larger tee boxes, the 700 Series rotors feature consistent pressure regulation and high-efficiency nozzles with large droplets that cut through harsh winds to provide the even distribution you need for a healthy playing surface.



### EAGLE® 900 Series

- Radius: 63' to 97' (19.2m to 29.6m)
- Pressures: From 60 to 100 psi (4.1 to 6.9 bars)
- Arc: Full Circle 360°

Rain Bird 900 Series rotors deliver the longest throw radius coverage in a full circle rotor and are ideal for use on larger greens, fairways and surrounds. The 900 high performance nozzles allow you to reach longer distances with increased droplet size for maximum efficiency and coverage.



### Swing joints

Available in a wide range of configurations, Rain Bird swing joints are designed to deliver the performance you expect while saving you money. With superior flow characteristics and excellent structural integrity, they are the perfect complement to our golf series rotors.



### IC System™

- No satellites or decoders
- Up to 90% less wire
- Test more than 1,000 stations in 45 seconds
- Add components anywhere there is MAXI™ Wire

The Rain Bird® IC System™ delivers revolutionary control and diagnostics for every single rotor and valve while eliminating the challenges of satellites and decoders. This proven innovation takes real-time response and easy-to-use control to a powerful new level, saving you time and money during installation, everyday operation and future expansions. Rain Bird® IC CONNECT™ lets you extend the reach and effectiveness of your system by enabling you to integrate, automate and interact with various sensors and field equipment.



### Decoders

A technology long-since proven on golf courses around the world, Rain Bird decoders provide 'best-in-class' field control on centrally controlled irrigation systems. Installed underground and featuring simple, low-cost wiring, decoders are an aesthetically pleasing, full-featured, economical option for reliable in-field control.



### PC Central Control

- Options to fit any course
- Manage your irrigation system in real-time
- Operate and adjust from any location

Designed to deliver a real-time response to changing conditions, Rain Bird® Central Control systems make it easy to automate and streamline irrigation management. Intuitive, easy-to-use programming and advanced technologies like Rain Watch™ and MI Series™ mobile control help you micromanage water and create detailed programmes from any location. Timeless Compatibility™ means your new software and software updates will work with in ground components, so existing satellites, decoders and rotors will not become obsolete.



Rigby Taylor is the UK's distributor of Rain Bird irrigation products for golf, residential and commercial use. The company can facilitate the complete package from planning through to implementation • Replacement parts • New rotors/nozzles • Control Systems • System Audits • Design and specification





Superior insight | Better decisions | Healthier turf

## Moisture Measuring & Recording

### Unmatched precision. Better decisions.

Only the portable POGO Pro simultaneously measures all of the most influential factors that govern turf performance with a patented sensor and science-based analysis.

**Integrated, professional-quality GPS receiver**  
Adds an extra dimension—precise location—geospatial condition analysis, cup placements, sprinkler positions and patterns, area measurements, custom mapping and more.

**Rechargeable battery**  
Provides a full day of intense use between charges.

**Proven reliability and research-grade accuracy you can trust**  
A patented sensor depended on by the USDA, NOAA, leading irrigation companies, and many universities for over 20 years.

**Precisely measures the right depth**  
The predominant moisture and salinity exchange within the rootzone of all types of turf systems occurs in the top 2" to 2.5" (5cm to 6.4cm). Measuring only this depth maximizes precision.  
\* Results of independent study available upon request.

**Integrated WIFI**  
The best user interface for POGO is the one already in your pocket. POGO connects easily via an ad-hoc WIFI connection to any Apple or Android device—no cables.

**No need for calibration, ever**  
Patented sensing technology results in consistent accuracy and precision in all turf and soil types with no maintenance.

**2 Year warranty**  
Low total cost of ownership, no downtime and consistent accuracy. Industry-leading, 2-year warranty including the marine-grade stainless steel probes.

Only POGO's patented sensor measures ALL 4 of the most influential variables governing turf performance.

- MOISTURE
- SALINITY (EC)
- CANOPY TEMPERATURE
- POGO'S UNIQUE SALINITY INDEX

**Turf remains virtually undisturbed**  
4 small diameter probes (3.1 mm / 1/8 in.) diameter.



### POGO System Measurement Features

- » Moisture
- » EC Salinity
- » Temperature
- » Soil/Root Zone
- » Weather/Ambient
- » Nutrition
- » Turf stress/disease
- » Human Decisions
- » GPS Visualisation

POGO offers turf professionals a new way forward in their planning, measuring, recording and informing on soil moisture and many more aspects essential for maintaining healthy turf.

POGO is a work tool that provides superior insight into what is happening on and below the surfaces of golf courses, sports pitches or a multi-sport complex. It provides essential information on a wide range of aspects, which improve decision-making capacity and activity.

Rigby Taylor is an official distributor of the POGO. For more information or to book a demonstration contact your area representative or call Freephone 0800 424 919



## Vertical Drainage System



Fairway saturated and prone to ponding at Copt Heath Golf Club



Ground Water Dynamics (GWD) provides a revolutionary new vertical drainage system for the UK sports, landscape and amenity markets.

Totally different from other drainage systems, the GWD use an Energy-Passive Ground-Water Recharge Pump (EGRP) that enables rain water to be captured 'at source' instead of simply moving the problem to another area."

### How does it work?

The system is installed by drilling bore-holes up to 12 metres deep with minimal surface disruption and does not require trenches or major earth works. Each bore-hole is no more than 90mm in diameter and, after the insertion of the five-chamber EGRP device, the bore-hole is top dressed with a root zone mix.

### The Problem

Certain soil types, comprised of horizontal layers of clay and silt, can offer limited drainage capacity resulting in heavily saturated playing surfaces and localised ponding.

Traditional drainage methods of excavating trenches and laying underground pipe work causes major surface disruption and prevents utilization of the facility until the surface has been reinstated.

### The Answer

Groundwater Dynamics' EGRP system addresses this problem by inserting the system vertically into the ground and, once activated, the unique five-chamber design with its mild vacuum connects these horizontal layers of soil and attracts groundwater laterally towards the device before taking it down to lower unsaturated strata and away from problem areas.

### The Benefits

EGRP requires no external energy source, creates very little disruption during installation and is environmentally sustainable. It is suitable for all soil types and provides designers, planners and landscape architects with the opportunity to manage surface water run-off, nuisance groundwater and localised flooding. Most importantly, rainfall can be dealt with at "source" with no requirement to link up with storm-drains or sewers.

### Key Features:

- ▶ Little surface disruption
- ▶ No outflow required
- ▶ No external energy source
- ▶ Deals with rainfall at source
- ▶ No maintenance required
- ▶ Targets localised areas
- ▶ Drains bunkers

### Projects:

Football Clubs - Fulham FC  
Golf Clubs - Copt Heath GC  
Gleneagles  
Infrastructure - Silverstone  
Cricket - Warwickshire CCC

