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irrigation 



For Golf Courses, Sports Fields & Landscaping

# CONNECT TO

*Upcoming technologies*

*Simplified upgrades*

*A partner dedicated solely to irrigation*

# THE FUTURE



*"As a flagship for innovation and sustainable management, Rain Bird was the clear choice of irrigation partner to support our vision. It is exciting to be working with companies whose technologies will help us set new benchmarks in the years ahead."*

Michael Wells | Chief Executive, Carnoustie Golf Links



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# Welcome to Rigby Taylor's first irrigation stand-alone product catalogue and price list

Water is a highly valued resource and a key environmental issue within our industry. Its application, plant utilisation, measurement and recording has become a key management issue for practicing turf professionals across all sporting, recreational and landscaped surfaces and within the horticultural industry.

It is with the above in mind that we decided to create this publication because the irrigation sector of our business has grown from strength to strength following our appointment by Rain Bird as their official UK distributor of their golf course, sports pitch and landscape irrigation products.

Irrigation can be a daunting subject with so many options. The first question you may ask could be; How do you determine what you need for your own specific situation?

Take a look through the following pages. In addition to the whole catalogue page numbering overleaf, we have categorised the information into three sections, each with its own Index....

- ▶ Products specific to golf and other sports surface
- ▶ Products specific to landscape, gardens and horticulture
- ▶ A general section that can be used in any system

This Rigby Taylor irrigation catalogue provides the reader with detailed information and imagery on the product range and current pricing. The vast majority of the products detailed are available ex-stock from our distribution centre in Camberley, Surrey.

In addition to supplying products, Rigby Taylor employ specialists who have a high level of knowledge and expertise in this important aspect of water management and work closely with irrigation contractors. The company also has a national field based team of over 50 area managers who are available to help guide customers through the selection process.....every step of the way.



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Rain Bird has built a very strong name in golf and sports turf irrigation over many decades. The same golf rotor that was installed 20 years ago can still house the newest riser assembly; this is the basis of Rain Bird's phrase; "Timeless Compatibility". You can find Rain Bird rotors on many of the most prestigious golf courses and football pitches on the planet, and there's a reason for this...Quality.

This section contains the rotors, controllers, solenoid valves, cable and sundry items to ensure your golf course or sports ground irrigation system is reliable for decades to come, at a competitive price.



## Golf Course & Sports Pitch Section

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# 5000 Series

## Perfect for golf tees and lawns 10-15 metres wide

The 5000 Series rotor is the perfect pop-up rotor for irrigating golf tees at an economic price. It is a great pop-up sprinkler for large lawns too. With throws from 10 to 13 metres radius (20 - 26 metres diameter) this sprinkler should be your first choice for any lawn 10 metres wide or greater. The 5000 series sprinkler comes in 3 pop-up heights (this is the height that the nozzle pops up above the top of the sprinkler's body).



### Making sense of the 5000 series codes

<b>5004</b>	This is the pop-up height; how high the riser will pop up above the body. Options are 4 for 4" height, 6 for 6" height and 12 for 12" pop-up height.
<b>PC</b>	This means "Part Circle", so the sprinkler can be adjusted to irrigate only an angle of the area.
<b>SAM</b>	This means a non-return check valve is built into the base of the sprinkler. This prevents the sprinkler from leaking the pipe's water out when irrigation has finished (this feature is highly recommended).
<b>PR</b>	Sprinklers with "PR" have an in-built pressure regulator inside the sprinkler. This means that (assuming you have enough pressure for the system) it ensures all your sprinklers operate at the same pressure, and therefore at the same flow rate.
<b>+</b>	This term means the sprinkler's flow can be altered and even shut down, while the sprinkler is popped up. Handy for changing nozzles, and reducing the flow if a particular sprinkler is throwing too far.
<b>PCR</b>	Part circle with pressure regulator
<b>FC</b>	Full circle only; you cannot adjust it to any other angle of throw.
<b>PCSAM</b>	Part circle with check valve
<b>PCSAMRSS</b>	Part circle, check valve, pressure regulation and stainless riser!

Product code	5004 Rotors: 4" Riser Height Description	Price
RB-Y5410730MX	5004PC30: 4" pop-up height sprinkler, part circle (0-360°) c/w No.3.0 Nozzle installed. This is the simplest "no frills" 5004 series pop-up.	£14.11
RB-Y55007	5004PCSAM: 4" pop-up height sprinkler, part circle (40-360°) c/w No.3.0 Nozzle installed. Includes SAM non-return check valve. (this feature is highly recommended).	£17.61
RB-Y74007	5004PCR: 4" pop-up height sprinkler, part circle (0-360°) c/w No.3.0 Nozzle installed. This pop-up has a pressure regulator built inside it, regulated to 2.5 bar pressure. This is a great feature because it means all your sprinklers will operate at the same pressure & therefore the same flow rate.	£18.56
RB-Y4510030	5004+PC30: PC & revers. FC model (40-360°) 3.0 Nozzle .5 nozzle trees included	£17.22
RB-Y45010	5004+FC: Full circle rotor with shut-off	£17.22
RB-Y45650	5004+PCSAM: Part Circle (40-360°) with shut-off & SAM check valve	£17.22
RB-Y65750SS	5004+PCSAMRSS: This is the full works burger: 5004 with shut-off, part circle (40-360°), SAM check valve, pressure regulation and a stainless sheathed 4" riser. Our preferred option for golf tees and other commercial applications. Regulated to 2.5 bar pressure.	£29.17

Prices correct at the time of printing

## 5000 Series

Product code	5006 Rotors: 6" Riser Height Description	Price
RB-Y45800	5006+PC: (6" riser height) pop-up rotor: Part circle (40-360°) and reversing full circle. Complete with SAM check valve	£52.79
RB-Y65950SS	5006+PCSAMRSS: (6" riser height) pop-up rotor: Part circle (40-360°) and reversing full circle. Complete with SAM check valve, sprinkler regulated to 2.5 bar pressure. Stainless riser.	£67.67

Product code	5012 Rotors: 12" Riser Height Description	Price
RB-Y66050	5012+PCSAMR: (12" riser height) pop-up rotor: Part circle (40-360°) and reversing full circle. Complete with SAM check valve, sprinkler regulated to 2 bar pressure.	£61.01

### Useful Accessories

Product code	Description	Price
RB-Y04500	5000 Plus Tree:(8 standard angle + 4 low angle nozzles)	Free
RB-Y046MPK	5000MPRMPK: Bag of 30 x 5000-MPR nozzle trees: 10 of MPR-25, 10 of MPR-30 and 10 of MPR-35.	Free
RB-Y05100	ROTORTOOL: 5000 Rotor screwdriver. Use this screwdriver to adjust the sprinkler. A very handy tool.	£4.35
RB-170452	5000PL SAM Kit: (non-return valve) Kit; use if your 5000 series rotor doesn't have a non-return valve & you'd like one.	£8.49
RB-A82060	SPX FLEX30: Flex tubing; roll of 30 metres. Cut this is whatever length you prefer to use as a flexible swing joint below the sprinkler.	£36.00
RB-A46010	SBE075: Spiral barbed fitting c/w 3/4" BSP male threaded elbow. Screw this into the 5000 series rotor to connect the SPX Flex tubing.	£9.00
IRR-SJ075300	3/4" swing joint constructed of a 3/4" PVC threaded riser (300mm long) and 2 elbows each end. This is a proper 3/4" swing joint compared with many on the market which are 1/2" tubes with 3/4" threads each end! If you need proper flow (i.e. you're using the bigger nozzles) then this swing joint will aid the system's hydraulics. Please note it does not contain any o-rings.	£6.32

# 5000 Series MPR Nozzles

## Free nozzles that will transform your irrigation system

The Rain Bird MPR nozzles are designed to maximise the uniformity of your sprinkler system. What does that mean? MPR stands for Matched Precipitation Rate and means that all the sprinklers in your irrigation system are matched to perform at the same precipitation rate, just like natural rain. This is an important feature. With other rotors, a sprinkler placed in a corner of a lawn or golf tee and covering a ¼ circle has the same flow rate as a full-circle sprinkler placed in the middle of the turf. Both rotors have the same flow rate, but the ¼ circle rotor is covering only a quarter of the area that the full circle sprinkler is irrigating... so the lawn around the ¼ circle sprinkler will receive 4 times as much water as the lawn around the full circle sprinkler. Similarly, a ½ circle sprinkler along the side of the lawn would suffer the same predicament

In the past, the only way to prevent this was to have the ¼ circle sprinklers on a separate solenoid station, and then have that valve operate for a quarter of the time, and likewise for the ½ circle sprinklers (half the time), and the full circle sprinklers. This meant lots of solenoid stations and lots of different pipes under the ground, or areas of turf that receive hugely differing amounts of water!

The MPR nozzles have changed all that! They are designed so that the ¼ circle sprinkler uses a quarter of the flow rate of the full circle sprinkler, and likewise with the ½ circle sprinkler uses half the flow rate of the full circle rotor. They all create the same application of water onto the lawn being irrigated... which is why they are called "Matched Precipitation Rate" nozzles. Therefore you can have all the sprinklers on a lawn or golf tee on the same solenoid station, and obtain maximum uniformity of coverage.



Nozzels at 2.4 bar pressure			
5000-MPR 25 (red nozzles)			
Arc	Radius	Flow rate	Precipitation Rate
¼ circle	7.3 metres	3.6 litres per minute	14.9 mm per hour
½ circle	7.3 metres	6.6 litres per minute	14.7 mm per hour
Full circle	7.3 metres	12.6 litres per minute	14.2 mm per hour

5000-MPR 25 (green nozzles)			
Arc	Radius	Flow rate	Precipitation Rate
¼ circle	9.1 metres	4.8 litres per minute	13.4 mm per hour
½ circle	9.1 metres	9.6 litres per minute	14.1 mm per hour
Full circle	9.1 metres	19.2 litres per minute	13.8 mm per hour

5000-MPR 25 (beige nozzles)			
Arc	Radius	Flow rate	Precipitation Rate
¼ circle	10.4 metres	6.6 litres per minute	14.1 mm per hour
½ circle	10.4 metres	12.6 litres per minute	14.1 mm per hour
Full circle	10.4 metres	25.2 litres per minute	14.0 mm per hour

# Falcon 6504

**For small golf greens up to 19 metres wide,  
large golf tees and landscape lawns**

The Falcon 6504 gear driven pop-up sprinkler is an iconic Rainbird product that has been working hard on golf courses, sports pitches and landscape properties for decades. This is a 1" base (BSP) sprinkler and has a range of nozzles and its well known heavy-duty construction. It comes with a plastic or a stainless steel riser option, and in full circle or adjustable arc. There is also a high speed option; great for dust-suppression and tennis courts. 4" riser height.



Product code	Description	Price
RB-B65311	Full circle model, c/w plastic riser	£71.40
RB-B65301	Adjustable arc model, c/w plastic riser	£71.40
RB-B65811	Full circle model, c/w stainless riser	£90.53
RB-B65801	Adjustable arc model, c/w stainless riser	£90.53
RB-B65841	High speed version; adjustable arc, c/w stainless riser	£162.99
<b>Swing Joint to suit</b>		
RB-JB200022	Swing joint PVC, 12" long x 1" BSP each end; 2 elbows each end c/w o-rings	£38.64

## Nozzle Specifications

Nozzle	Radius at 4.5 bar	Flow at 4.5 bar	Order Code	Price
No.4 Black	12.5 metres	16 litres per minute	RB-B81610	Free
No.6 Light blue	14.9 metres	17 litres per minute		
No.8 Dark green	15.5 metres	33 litres per minute		
No.10 Grey	16.6 metres	40 litres per minute	RB-B81620	Free
No.12 Light brown	17.7 metres	48 litres per minute		
No.14 Light green	18.6 metres	56 litres per minute		
No.16 Dark brown	19.2 metres	62 litres per minute		
No.18 Dark blue	19.5 metres	67 litres per minute		

# 8005 Series

**A tall pop-up height for sports pitches, golf greens and large lawns up to 24 metres wide**

The 8005 Series rotor is the go-to sprinkler for sports pitches throughout the world. This sprinkler can be seen operating in the centre of some of the most prestigious sports pitches on the planet! With throws from 12 to nearly 25 metres radius, this sprinkler is a true work horse for large turf irrigation tasks. Its pop-up height is 5" (125mm) so it is just that bit higher to miss longer turf such as in playing fields. It is equally as happy irrigating a golf green.



Product code	Description	Price
RB-B8120018	Rain Bird 8005 sprinkler complete with 5" (125mm) plastic pop-up riser and 1" BSP female inlet	£102.12
RB-B8140018	Rain Bird 8005 sprinkler complete with 5" (125mm) stainless pop-up riser sleeve and 1" BSP female inlet	£124.48
<b>Swing Joint &amp; Accessories</b>		
RB-JB200022	Swing joint PVC, 12" long x 1" BSP each end; 2 elbows each end c/w o-rings	£38.64
RB-B80000	Sod cup for 8005 sprinkler, used in sports pitches to hide the sprinkler in the pitch.	£67.82

## Nozzle Specifications

Nozzle	Radius at 4.5 bar	Flow at 4.5 bar	Order Code	Price
No.4 Black	11.9 metres	16 litres per minute	RB-B81610	Free
No.6 Light blue	13.7 metres	25 litres per minute		
No.8 Dark green	14.9 metres	33 litres per minute		
No.10 Grey	16.5 metres	40 litres per minute	RB-B81620	Free
No.12 Light brown	18 metres	48 litres per minute		
No.14 Light green	18.6 metres	56 litres per minute		
No.16 Dark brown	20.1 metres	63 litres per minute		
No.18 Dark blue	20.1 metres	70 litres per minute	RB-B81630	Free
No.20 Red	21.1 metres	80 litres per minute		
No.22 Yellow	22 metres	92 litres per minute		
No.24 Orange	22 metres	98 litres per minute		
No.26 White	22.6 metres	107 litres per minute		

Prices correct at the time of printing

**551B**

**Golf tees part-circle block sprinkler 10-16 metres radius**

The Rainbird 551B part and full circle block sprinkler is the smallest of the Rain Bird golf rotors and is designed for golf tees and very small greens. With throws between 9.8 and 16.8 metres radius it is perfect for many golf applications. This sprinkler, like its big brothers the 751/752, can be converted from part-circle to full-circle with the flick of a screwdriver. The "B" for Block means that this sprinkler does not include an in-built solenoid valve, and as such is designed to operate with an external solenoid valve.



Product code	Description	Price
RB-GRB111052	Rain Bird 551B Pop-up rotor c/w 1" ACME inlet, factory set with No.52 beige nozzle	£115.14

**Useful Accessories**

Product code	Description	Price
RB-JB010023	Swing joint 1" BSP x 1" ACME, 12" long. Use this swing joint if you are installing these sprinklers into a new system or need new swing joints when replacing the sprinklers	£38.30
RB-21337101	Adaptor bush 1" BSP x 1" ACME; Use this to connect onto a standard 1" BSP swing joint if you are retrofitting this sprinkler into an older system.	£11.63
RB-213500XX	500/550/551 Nozzle only (Specify Size) XX: 51, 52, 53, 54	£6.50
RB-21455152	551 B/E/S/IC Internal Assembly - c/w nozzle No.52. This is the replacement internal riser assembly of a sprinkler.	£170.23
RB-21040301	500/550/551/700/750/751 replacement Stator & Screen Kit. This kit includes screen, stator, poppet, 4-hole stator and 8-hole stator.	£15.93
RB-212613	551/700/751 Sod Cup Kit. Use this if you want to hide the sprinkler under its own cup of turf. Great for tennis courts etc.	£267.69
RB-B41710	500/550/551/700/750/751 Valve Insertion Tool. A handy maintenance tool for removing & reinstating the lower valve inside the sprinkler.	£148.87
RB-D02236	Eagle Rotor snap-ring pliers. Another handy tool. For removing the lower snap ring that is deep inside the sprinkler.	£105.45

Nozzles & Flow Rates (at 4.8 bar)		
Nozzle	Flow Rate	Radius
No.51 Blue	0.5 litres per second	10.7 metres
No.52 Beige	0.5 litres per second	12.2 metres
No.53 Grey	0.7 litres per second	15.5 metres
No.54 Red	0.72 litres per second	16.2 metres

Prices correct at the time of printing

**551E**

The Rainbird 551E part and full circle ELECTRIC VALVE-IN-HEAD sprinkler is the smallest of the Rain Bird golf rotors and is designed for golf tees and small greens. With throws between 9.8 and 16.8 metres radius (i.e. 33.6 metres diameter) it is perfect for many golf applications. This sprinkler, like its big brother the 752, can be converted from part-circle to full-circle with the flick of a screwdriver. The E version shown here has an in-built solenoid coil, making it fully electric and therefore it can be controlled independently from other rotors. Note that this rotor will be superseded by the 752E rotor, hence it is only available while stocks last.



**Quick Specs**

Connection: 1 1/4" ACME  
 Radius range: 10-16 metres  
 Pressure range: 3.4 - 6.9 bar

Product code	Description	Price
RB-GRB1617XX	Rain Bird 551 Electrical (4,8 Bar), Part/full circle 1 1/4" ACME rotor w/ new GBS25 Solenoid - Standard nozzle if not specified: No.52 beige - XX: 51, 52, 53 54	£382.70

**Useful Accessories**

Product code	Description	Price
RB-JE010023	Swing joint 1 1/4" BSP x 1 1/4" ACME, 12" long. If you need a new swing joint then use this one; it comes with a 1 1/4" ACME top so it will screw directly into the rotor.	£49.56
RB-V02626A	ADPT100 125: Adaptor bush 1" BSP x 1 1/4" ACME; Use this to connect onto a standard 1" BSP swing joint.	£11.25
RB-21337102	ADPT125: Adaptor bush 1 1/4" BSP x 1 1/4" ACME; Use this to connect onto a 1 1/4" BSP swing joint.	£12.69
RB-213500XX	500/550/551 Nozzle only (Specify Size) - XX: 51, 52, 53, 54. The rotor comes complete with a No.52 beige nozzle but if you want a different nozzle, this is where you look.	£6.50
RB-21455152	551 B/E/S/IC Internal Assembly - w/nozzle No.52. Use this if you want to change out the insides of a sprinkler.	£170.23
RB-21040301	500/550/551/700/750/751 Stator & Screen Kit. This kit includes screen, stator, poppet, 4 hole stator and 8 hole stator. You might need one of these if you change the nozzle.	£15.93
RB-212613	551/700/751 Sod Cup Kit. Use this if you want to hide the sprinkler. A cup which you fill with sward is attached to the top of the rotor.	£267.69
RB-B41710	500/550/551/700/750/751 Valve Insertion Tool. A very useful tool for maintenance.	£148.87
RB-D02236	Eagle Rotor snap-ring pliers. Also a handy tool for maintenance; use this to remove the lower snap ring to remove the rock screen.	£105.45

## ROTORS

# 700B

('B' for Block sprinkler)

**WHILE STOCKS LAST!**

**RAIN BIRD**

### Full Circle golf rotor for approaches and fairways

The Rainbird 700B is a block rotor, meaning it does not have an internal solenoid valve (compared with the 700E). It is designed to operate with an external solenoid valve that might operate 2 or more sprinklers at once. The 700B (and 700E) is a full circle sprinkler and cannot be adjusted. While some golf courses use these on their greens (thus irrigating their surrounds too with no separate control), the 700B is designed for medium width fairways and for approaches. It can be a great pop-up sprinkler for large parkland areas, where the flat plate-style top is easy to find for servicing etc. Radius 17 - 23.5 metres (diameter 34 - 47m).



### Quick Specs

Connection: 1" ACME  
 Radius range: 17-23 metres  
 Pressure range: 3.4 - 6.9 bar

Product code	Description	Price
RB-GRC011040	700B Pop-up rotor c/w 1" ACME inlet, factory set with No.40 Orange nozzle.	£186.17

### Useful Accessories

Product code	Description	Price
RB-JB010023	Swing joint 1" BSP x 1" ACME, 12" long, 2 elbows each end. If you need a new swing joint then use this one; it comes complete with an ACME elbow for the sprinkler to screw directly into.	£38.30
RB-21337101	Adaptor bush 1" BSP x 1" ACME; Use this if you're installing the rotor onto an existing standard 1"BSP swing joint.	£11.63
RB-213700XX	700 series nozzle; select nozzle number: 28, 32, 36, 40, 44, 48. The rotor will come with a nozzle pre-installed, but if you want a different nozzle then purchase one of these.	£6.87
RB-211562	700/751 Mid-range spreader (blue) nozzle. This is installed into the rear of the rotor as a back jet.	£4.57
RB-211417	700/751 Mid-range spreader (black) nozzle. This is installed into the rear of the rotor as a back jet.	£4.57
RB-211452	700/751 Spreader nozzle mid-range (black) with diffuser. Also installed as a back jet	£6.09
RB-212933XXWT	Wind Tolerant kit for Rain Bird 700 - Size (XX): 16, 18, 22 This kit includes housing-housing cap/stator/screws/o-rings/nozzle /flow channel. This nozzle assembly has better ability to cut into the wind if windy conditions prevail.	£68.48
RB-21470040	700 internal assembly. c/w No.40 nozzle. Use this if you want to change out the internals of an existing sprinkler.	£171.95
RB-21040301	Eagle stator screen kit, fits 500 series and 700 series rotors. You'll need one of these if you change the nozzle.	£15.93
RB-D02236	Eagle Rotor snap-ring pliers. This a very handy tool for maintenance. Use it to remove the lower snap ring that holds the rock filter in place.	£105.45
RB-B41710	Eagle rotor valve insertion tool. Another handy maintenance tool if you need to remove and re-install the lower check valve.	£143.83

Prices correct at the time of printing

## ROTORS

# 700E

('E' for Electric)

**WHILE STOCKS LAST!**

**RAIN BIRD**

### Full circle golf rotor for golf course approaches and fairways

The Rainbird Eagle 700E golf rotor comes complete with an internal solenoid valve so each rotor can be individually controlled. The 700E is a full circle sprinkler and cannot be adjusted. While some golf courses use these on their greens (thus irrigating their surrounds too with no separate control), the 700E is designed for small to medium width fairways and for approaches. It can be a great pop-up sprinkler for large parkland areas, where the flat plate-style top is easy to find for servicing etc. Radius 17 - 23.5 metres (diameter 34 - 47m).



### Quick Specs

Connection: 1 1/4" ACME  
 Radius range: 17-23 metres  
 Pressure range: 3.4 - 6.9 bar

Product code	Description	Price
RB-GRC0617XX	700E electric valve-in-head Pop-up rotor c/w 1 1/4" ACME inlet, factory set with No.40 Orange nozzle.	£367.53

### Useful Accessories

Product code	Description	Price
RB-JE010023	Swing joint 1 1/4" BSP x 1 1/4" ACME, 12" long, 2 elbows each end. Use this swing joint if you're starting from scratch, because it comes with a 1 1/4" ACME thread at the top.	£49.56
RB-V02626A	Adaptor bush 1" BSP x 1 1/4" ACME; Use this to connect onto an existing standard 1" BSP swing joint.	£11.25
RB-213700XX	700 series nozzle; select nozzle number: 28, 32, 36, 40, 44, 48.	£6.87
RB-213462C	GBS25 replacement Solenoid kit for Eagle golf rotors (includes GBS25, filter, o-ring).	£44.43
RB-211562	700/751 Mid-range spreader (blue) nozzle. This is a back jet.	£4.57
RB-211417	700/751 Mid-range spreader (black) nozzle. This is back jet.	£4.57
RB-211452	700/751 Spreader nozzle mid-range (black) with diffuser.	£6.09
RB-212933XXWT	Wind Tolerant kit for Rain Bird 700 - Size (XX): 16, 18, 22 This kit includes housing/housing cap/stator/screws/o-rings/nozzle /flow channel.	£68.48
RB-21470040	700 internal assembly. c/w No.40 nozzle. Use this if you want to replace the internals of an existing sprinkler.	£171.95
RB-21040301	Eagle stator screen kit, fits Eagle 500 series and 700 series rotors.	£15.93
RB-D02236	Eagle Rotor snap-ring pliers. Use these to remove the lower snap ring inside the rotor.	£105.45
RB-B41710	Eagle rotor valve insertion tool. Use this tool to remove/ reinstate the lower check valve inside the body of the rotor.	£148.87

Prices correct at the time of printing

**751B**

**Golf greens block sprinkler 11-22 metres radius for medium sized greens. Requires an external solenoid valve.**

The Rainbird 751B is a block rotor, meaning it does not have an internal solenoid valve (compared with the 751E). Therefore, it is designed to operate with a solenoid valve at the back of the green that might operate 2 or more sprinklers at once. It is designed for medium sized golf greens, with its large flat surface so it's easy to find. It can be altered from part-circle (irrigating the green) to full circle (irrigating the surrounds too) and back again with a flick of a screwdriver. With throws from 11-22 metres radius it is one of the most popular greens sprinklers in the world, and for justifiable reasons.



Product code	Description	Price
RB-GRC111040	751B Pop-up rotor c/w 1" ACME inlet, factory set with No.40 orange nozzle.	£205.44.

**Useful Accessories**

Product code	Description	Price
RB-JB010023	Swing joint 1" BSP x 1" ACME, 12" long, c/w 2 elbows each end. Use this if you are installing these sprinklers into a new system or need new swing joints when replacing the sprinklers.	£38.30
RB-21337101	Adaptor bush 1" BSP x 1" ACME; Use this to connect onto a standard 1" BSP swing joint if you are retrofitting this sprinkler into an older system.	£11.63
RB-211562	700/751 Mid-range spreader (blue) nozzle. This is a rear jet.	£4.57
RB-211417	700/751 Mid-range spreader (black) nozzle. This is a rear jet.	£4.57
RB-211452	700/751 Spreader nozzle mid-range (black) with diffuser. Rear jet.	£6.09
RB-213880XX	751 Low angle nozzle kit with nozzle housing, nozzle and stator; size 20, 22, 28, 32, 36, 40, 44, 48.	£21.43
RB-213750XX	750/751 Nozzle only (Specify Size) - XX: 28, 32, 36, 40, 44, 48	£9.46
RB-212862XXWT	Wind Tolerant kit for Rain Bird 751 - Size (XX): 16, 18, 22 his kit includes housing-housing cap/stator/screws/o-rings/ nozzle/flow channel.	£62.34
RB-D02236	Eagle Rotor snap-ring pliers. Use these to remove the snap rings. A handy tool.	£105.45
RB-B41710	Eagle rotor valve insertion tool. Another handy maintenance tool.	£148.87

**751E**

**Golf greens Electric Valve-in-head sprinkler 11-22 metres radius for medium sized greens**

The Rainbird 751E is an electric valve-in-head sprinkler, meaning it comes complete with an internal 24vac solenoid valve. Therefore, it is designed to operate on its own, so if you have 5 of these on your green then you can control each one individually from the irrigation controller. It is designed for medium sized golf greens. It has a large flat surface so it's easy to find. With throws from 11 to 22 metres radius it is one of the most popular greens sprinklers in the world, and for justifiable reasons.



Product code	Description	Price
RB-GRC1617XX	751 electric valve-in-head Pop-up rotor c/w 1 1/4" ACME inlet, factory set with No.40 orange nozzle.	£415.82

**Useful Accessories**

Product code	Description	Price
RB-JE010023	Swing joint 1" BSP x 1 1/4" ACME, 12" long, extra inlet elbow. Use this swing joint if you are starting from scratch, because it comes with a 1 1/4" ACME thread at the top.	£49.56
RB-V02626A	Adaptor bush 1" BSP x 1 1/4" ACME; Use this to connect onto an existing standard 1" BSP swing joint.	£11.25
RB-211562	700/751 Mid-range spreader (blue) nozzle. This is back jet if you want one.	£4.57
RB-211417	700/751 Mid-range spreader (black) nozzle. Again, use this as a back jet if you want one.	£4.57
RB-211452	700/751 Spreader nozzle mid-range (black) with diffuser. As above but with a diffuser.	£6.09
RB-213880XX	751 Low angle nozzle kit with nozzle housing, nozzle and stator; size 20, 22, 28, 32, 36, 40, 44, 48.	£21.43
RB-213750XX	750/751 Nozzle only (Specify Size) - XX: 28, 32, 36, 40, 44, 48	£9.46
RB-212862XXWT	Wind Tolerant kit for Rain Bird 751 - Size (XX): 16, 18, 22 This kit includes housing-housing cap/stator/screws/o-rings/nozzle/flow channel.	£62.34
RB-D02236	Eagle Rotor snap-ring pliers	£105.45
RB-B41710	Eagle rotor valve insertion tool	£148.87

# 702E

## Full circle golf fairways sprinkler complete with internal solenoid valve, throwing 18 to 23 metres radius for fairways and approaches

The Rainbird 702E is an electric valve-in-head sprinkler, meaning it comes complete with an internal 24vac solenoid valve. Therefore it is designed to operate on its own so you can control each one individually from the irrigation controller (they are often controlled in pairs). The 702 is a full circle sprinkler only, so it is great for golf fairways and approaches where you don't ever want to make it into a part-circle sprinkler. This is the perfect sprinkler to throw 18 to 23 metres radius. It has a large flat surface so it's easy to find. This is the newest Rain Bird Eagle rotor to hit the market and it will undoubtedly challenge all other golf rotors. This sprinkler has a 1 1/4" ACME female inlet thread.



Product code	Description	Price
RB-GRC062740	Rain Bird Rotor 702E Electrical (4.8 bar), full circle 1 1/4" ACME rotor w/ new GBS25 Solenoid Standard nozzle: 40 orange	£395.61

### Useful Accessories

Product code	Description	Price
RB-JE010023	Swing joint 1" BSP x 1 1/4" ACME, 12" long, extra inlet elbow. Use this swing joint if you are starting from scratch, because it comes with a 1 1/4" ACME thread at the top.	£49.56
RB-V02626A	Adaptor bush 1" BSP x 1 1/4" ACME; Use this to connect onto an existing standard 1" BSP swing joint.	£11.25
RB-211562	700/751 Mid-range spreader (blue) nozzle. This is back jet if you want one.	£4.41
RB-21500000	Replacement RB 702/752 Self-Adjusting Stator/Screen Kit; use this if replacing the stator screen	£22.07
RB-211417	700/751 Mid-range spreader (black) nozzle. Again, use this as a back jet if you want one.	£4.41
RB-211452	700/751 Spreader nozzle mid-range (black) with diffuser. As above but with a diffuser.	£5.89
RB-213700XX	700/702 Nozzle only (Specify Size) - XX: 28, 32, 36, 40, 44, 48	£6.87
RB-213751XX	751/752 Nozzle only (Specify Size) - XX: 18, 20, 22, 24, 26; these are the smaller range of primary nozzles	£9.46
RB-215710	Rain Bird 702 Replacement Nozzle housing	£40.30
RB-21570240	Rain Bird 702 replacement Internal Assembly - w/ nozzle No.40	£178.82
RB-D02236	Eagle Rotor snap-ring pliers - use these to remove the snap ring that holds the check valve in place	£105.45
RB-B41710	Eagle rotor valve insertion tool -use this to remove / reinstate the check valve at the bottom (inside) of the rotor body	£148.87
RB-B41720	Eagle Selector service tool / key - for manually turning a rotor on/off/ back to auto	£22.99
RB-D02237	Installation Socket for TSRS (White) for all Top- Serviceable Rock Screens & Replaceable Valve Seats	£27.29

Prices correct at the time of printing

# 752E

## Golf greens Electric Valve-in-head sprinkler 6-25 metres radius for *all* sized greens, and sports pitch perimeters

The Rainbird 752E is an electric valve-in-head sprinkler, meaning it comes complete with an internal 24vac solenoid valve. Therefore it is designed to operate on its own, so if you have 5 of these on your green then you can control each one individually from the irrigation controller. It will fit all sized greens and tees, and sports pitch perimeters, with a huge nozzle range so it can do a tiny 6 metre radius, or right up to an impressive 25.6 metre radius! It has a large flat surface so it's easy to find. This is the newest Rain Bird Eagle rotor to hit the market and it will undoubtedly challenge all other golf and sports rotors.



Product code	Description	Price
RB-GRC162740	Rain Bird 752 Electrical (4.8 bar), full & part circle Rotor 1 1/4" ACME rotor w/ new GBS25 Solenoid Standard nozzle: No.40 orange	£447.59

### Useful Accessories

Product code	Description	Price
RB-JE010023	Swing joint 1" BSP x 1 1/4" ACME, 12" long, extra inlet elbow. Use this swing joint if you are starting from scratch, because it comes with a 1 1/4" ACME thread at the top.	£49.56
RB-V02626A	Adaptor bush 1" BSP x 1 1/4" ACME; Use this to connect onto an existing standard 1"BSP swing joint.	£11.25
RB-213750XX	750/751/752 Nozzle only (Specify Size) - XX: 28, 32, 36, 40, 44, 48, 50; these are the larger range of primary nozzles	£9.46
RB-213751XX	751/752 Nozzle only (Specify Size) - XX: 18, 20, 22, 24, 26; these are the smaller range of primary nozzles	£9.46
RB-215760	Rain Bird 752 - Replacement Nozzle housing	£40.30
21575240	752 Internal Assembly - w/nozzle No.40; use this if you want to replace the internal assembly in an existing Rain Bird rotor	£190.48
RB-D02236	Eagle Rotor snap-ring pliers - use these to remove the snap ring that holds the check valve in place	£105.45
RB-B41710	Eagle rotor valve insertion tool -use this to remove/reinstate the check valve at the bottom (inside) of the rotor body	£148.87
RB-B41720	Eagle Selector service tool/key - for manually turning a rotor on/off/back to auto	£22.99
RB-D02237	Installation Socket for TSRS (White) for all Top- Serviceable Rock Screens & Replaceable Valve Seats	£27.29

# Eagle 900E

Our largest Rainbird Full Circle pop-up rotor, for golf fairways, throwing up to an impressive 29.6 metres radius

The Rainbird Eagle 900 Full-Circle pop-up rotor is designed primarily for golf fairways. With throws up to just under 30 metres radius (60 metre diameter) it covers a massive area in one hit. The "E" means it is electric valve-in-head, so each sprinkler has its own in-built solenoid valve. This means it can be controlled independently. This is especially handy with the Eagle 900E because it is very thirsty!



Product code	Description	Price
RB-GRE061860	Eagle 900 Electrical (5.5 bar), full circle 1½" ACME rotor, c/w No.60 black nozzle.	£401.99

## Useful Accessories

Product code	Description	Price
RB-JH010023	Swing joint 30cm long, 1½" diameter BSP x ACME, 2 elbows each end.	£60.01
RB-21337103	PVC Adaptor - 1½" BSP female inlet x 1½" ACME male outlet. Use this if you are retrofitting into an existing system that has 1½" BSP swing joints.	£12.80
RB-213900XX	Eagle 900 replacement nozzle (specify size) 44, 48, 52, 56, 60, 64	£9.57
213904	Eagle 900 Spreader nozzle only (rear jet), use with No.44 - No.48 nozzles	£9.57
213905	Eagle 900 Spreader nozzle only (rear jet), use with No.52 - No.64 nozzles	£9.57
21078660	Eagle 900 replacement internal assembly fits into 900 E/H(S)/IC series cases, c/w No.60 nozzle. Use this if you want to replace the internals of your existing sprinkler.	£175.96
RB-D02203	Eagle 900/950 snap ring pliers. A handy maintenance tool for removing the snap ring inside the sprinkler's body.	£123.48
RB-B41730	Valve insertion tool for Eagle 900/950. Another handy maintenance tool for removing & reinstating the internal valve inside the sprinkler's body	£153.22
RB-B99500	Artificial grass cover and case ring for Eagle 900/950	£219.56

Nozzles & Flow Rates (at 6.9 bar)		
Nozzle	Flow Rate	Radius
No.44 Blue	1.76 litres per second	22.3 metres
No.48 Yellow	2.28 litres per second	23.5 metres
No.52 Orange	2.64 litres per second	25.3 metres
No.56 Green	3.10 litres per second	27.1 metres
No.60 Black	3.29 litres per second	27.7 metres
No.64 Red	3.6 litres per second	29.6 metres

# Eagle 950E

**Our largest Rain Bird pop-up rotor, for Golf & Sports pitches, throwing an impressive 23-28 metres radius (46-56m diameter)**

The Rain Bird Eagle 950 Part-Circle pop-up rotor is designed for sports pitches and very large greens. It is busy operating in some of the most prestigious football pitches in the world as a perimeter sprinkler. With throws up to 28 metres radius (56 metres diameter) it is the power-horse of the sports pitch industry and is just as comfortable operating on extra-large golf greens too. But be careful; this sprinkler is very thirsty



Product code	Description	Price
RB-GRE561828	Rain Bird Eagle 950 Electrical (5.5 Bar) pop-up rotor, part circle 1 1/2" ACME c/w green No.28 nozzle. 1 1/2" ACME inlet.	£454.65

## Useful Accessories

Product code	Description	Price
RB-JH010023	Swing joint 30cm Long, 1 1/2" diameter BSP x ACME, 2 elbows each end.	£60.01
RB-21337103	Adaptor - 1 1/2" BSP female inlet x 1 1/2" ACME male outlet. Use this if you are retrofitting into an existing system that has 1 1/2" BSP swing joints.	£12.80
RB-213950XX	Eagle 950 replacement nozzle (specify size) 18, 20, 22, 24, 26, 28, 30, 32.	£9.57
RB-212145	Diffuser screw kit for Eagle 950	£49.33
RB-211900	950 Eagle's tail.	£40.71
RB-21144228	Eagle 950 replacement internal assembly fits into 950 E/H(S)/IC series cases, c/w No.28 nozzle.	£225.75
RB-D02203	Eagle 900/950 snap ring pliers. A very handy tool, used to remove the lower snap ring inside the body.	£123.48
RB-B41730	Valve insertion tool for Eagle 900/950. Another handy tool; use to remove and reinstate the lower valve inside the sprinkler's body	£153.22
RB-B99500	Artificial grass cover and case ring for Eagle 900/950.	£219.56

Nozzles & Flow Rates (at 6.9 bar)		
Nozzle	Flow Rate	Radius
No.18 White	1.63 litres per second	23.2 metres
No.20 Grey	1.92 litres per second	24.4 metres
No.22 Blue	2.18 litres per second	25.6 metres
No.24 Yellow	2.56 litres per second	27.4 metres
No.26 Orange	2.95 litres per second	26.8 metres
No.28 Green	3.29 litres per second	27.7 metres
No.30 Black	3.52 litres per second	28.0 metres
No.32 Brown	3.75 litres per second	28.0 metres

Prices correct at the time of printing

# Rotor Tools & Accessories

If you need to do any maintenance on a Rain Bird Golf rotor then you will find the tools listed below will make your life a whole lot easier

Product code	Description	Price
<b>RB-D02236</b> <i>image A</i>	SR700 500 & 700 Series Rotor snap-ring pliers - use these to remove the snap ring that holds the check valve in place	£105.45
<b>RB-D02203</b> <i>image B</i>	SRP Eagle 900/950 Snap Ring Pliers for the Eagle 900 & 950 rotors	£123.48
<b>RB-B41710</b> <i>image C</i>	VT700 valve insertion tool for the 500 & 700 series rotors. Use this to remove/reinstate the check valve at the bottom (inside) of the rotor body	£148.87
<b>RB-B41730</b> <i>image D</i>	VT900N Valve insertion tool for Eagle 900/950 Series	£153.22
<b>RB-B41720</b> <i>image E</i>	EGL SVK Eagle Selector service tool/key. Orange plastic key for manually turning a rotor on/off/ back to auto	£22.99
<b>RB-D02215</b> <i>image F</i>	DR SVK 7 Eagle Selector valve key for VIH Rotors (7"). Steel screwdriver-style key 7" long.	£47.36
<b>RB-D02221</b> <i>image G</i>	DR SVK 18 Eagle Selector valve key for VIH Rotors (18"). Steel screwdriver-style key 18" long.	£94.92
<b>RB-D02237</b> <i>image H</i>	IS TSRS Installation Socket for TSRS (White) for all Top- Serviceable Rock Screens & Replaceable Valve Seats	£27.29
<b>RB-D05205</b> <i>image J</i>	UHA Universal hose Adaptor. Use this to convert an existing Rain Bird golf rotor into a manual watering point.	£143.50
<b>RB-B99500</b>	ARTGR Artificial grass cover & case ring for Eagle 900/950	£219.56
<b>RB-212613</b> <i>image K</i>	SODCUPKIT sod cup kit for 551/751/702/752 rotors. This hides the sprinkler under a cup of growing turf.	£267.69



Prices correct at the time of printing

# Swing Joints for Pop-up Sprinklers

A swing joint acts like a shock absorber under a pop-up sprinkler. When a vehicle drives or someone walks over the top of the sprinkler, it needs to have a small amount of "suspension" beneath it to avoid damaging either the sprinkler or its pipe-connection. The swing joint, set at 45° from horizontal in the soil, allows the sprinkler to move up and down, albeit minutely, thus protecting it from harm. It also allows the sprinkler to be set at exactly the right level with the soil surface, regardless of the depth of the pipe it is connected to. Therefore a swing joint should be treated as a necessity underneath EVERY pop-up sprinkler, regardless of the sprinkler's size. Also, as you top-dress the soil surface each year the sprinkler will eventually need lifting. A swing joint makes this task a whole lot easier!



For 1/2" pop-ups (RD1 800, 3500 series rotors, R-VANS)		
Product code	Description	Price
RB-A82060	SPX Flex tube, 30 metre roll. Cut to the desired length.	£36.00
RB-A46010	Spiral barb fitting: 1/2" male x barb elbow; use one each end of the above SPX Flex tube	£0.29



For 3/4" BSP rotors: (5004, 5006, 5012)		
Product code	Description	Price
IRR-SJ075300	3/4" BSP x 30cm (12") rigid poly articulated riser swing joint (does not include o-rings) with 2 elbows each end. This is a true 3/4" swing joint (don't be fooled by 1/2" swing joints from other suppliers using 3/4" threads!)	£6.32
For 1" BSP inlet rotors (8005 & Falcon 6504)		
RB-JB000022	SJ12 100 22: 1" BSP x 30cm (12") swing joint, 2 elbows at top, 1 elbow at bottom.	£36.10
RB-JB200022	SJ12 100 22E: 1" BSP x 30cm (12") swing joint, 2 elbows at top, extra elbow at bottom. This is the most commonly used in the UK & will screw into a vertical saddle on your pipe.	£38.64

Prices correct at the time of printing

# Swing Joints for Pop-up Sprinklers

For 1" ACME inlet rotors: (Eagle 551B, 751B)		
Product code	Description	Price
RB-JB000023	SJ12 100 23: 1" BSP/ACME x 30cm (12") swing joint, 2 elbows at top, 1 elbow at bottom.	£36.10
RB-JB010023	SJ12 100 T23: 1" BSP/ACME x 30cm (12") swing joint, 2 elbows at top, extra elbow at bottom. This is the most commonly used in the UK & will screw into a vertical saddle on your pipe.	£38.30
RB-JC000023	SJ18 100 23: 1" BSP/ACME x 45cm (18") swing joint, 2 elbows at top, 1 elbow at bottom.	£38.47
For 1¼" ACME Inlet Rotors (Eagle 700E, 751E, 752E)		
RB-JE000023	SJ12 125 23: 1¼" BSP/ACME x 30cm (12") swing joint, 2 elbows at top, 1 elbow at bottom.	£40.71
RB-JE010023	SJ12 125 T23: 1¼" BSP/ACME x 30cm (12") swing joint, 2 elbows at top, extra elbow at bottom. This is the most commonly used in the UK & will screw into a vertical saddle on your pipe.	£49.56
RB-JF000023	SJ18 125 23: 1¼" BSP/ACME x 45cm (18") swing joint, 2 elbows at top, 1 elbow at bottom.	£46.36
For 1½" ACME Inlet Rotors (Eagle 900, 950)		
RB-JH000023	SJ12 150 23: 1½" BSP/ACME x 30cm (12") swing joint, 2 elbows at top, 1 elbow at bottom.	£53.01
RB-JH010023	SJ12 150 T23: 1½" BSP/ACME x 30cm (12") swing joint, 2 elbows at top, extra elbow at bottom. This is the most commonly used in the UK & will screw into a vertical saddle on your pipe.	£60.01
RB-JH100023	SJ12 150 23T: 1½" BSP/ACME x 30cm (12") swing joint, Triple Top elbows (5 elbows)	£86.96
RB-JI000023	SJ18 150 23: 1½" BSP/ACME x 45cm (18") swing joint, 2 elbows at top, 1 elbow at bottom	£57.42

## ACME Adaptors to convert existing swing joints to acme thread

Use these adaptors when you have a BSP swing joint and you want to install a Rain Bird Golf Rotor:

Product code	For Sprinkler Model	Description	Price
RB-21337101	500B, 551B, 700B, 751B	ADPT100: 1" BSP Female Inlet / 1" ACME Male Outlet Swing Joint Adapter. Use this adaptor to connect a 1" Eagle acme sprinkler to an existing 1" BSP swing joint.	£11.63
RB-V02626A	500E, 551E, 700E, 751E, 752E	ADPT 100 125: 1" BSP Female Inlet / 1¼" ACME Male Outlet Swing Joint Adapter. Use this to connect the 1" acme sprinkler to an existing 1" BSP swing joint.	£11.25
RB-21337102	500E, 551E, 700E, 751E, 752E	ADPT 125: 1¼" BSP Female Inlet / 1¼" ACME Male Outlet Swing Joint Adapter. Use this to connect the sprinkler to a 1¼" existing BSP swing joint.	£12.69
RB-21337103	Eagle 900E, 950E	ADPT 150: 1½" BSP Female Inlet / 1½" ACME Male Outlet Swing Joint Adapter. Use this to connect the sprinkler to an existing 1½" BSP swing joint.	£12.80

Prices correct at the time of printing

**ESP-LXME**



**Irrigation Controller up to 48 stations**

The result of 40 years of expertise and thousands of installed units, the ESP-LXME is a modern, reliable, direct wired (i.e. multi-cable) controller. With a large display, simple-to-use 'hand' 'off' 'auto' dial, and extra simple programming, the ESP-LXME modular design is flexible enough to cover small and large operations. Use this controller in large landscape projects or even sports pitches. Expandable up to 48 stations when you install the expansion modules (listed in the Accessories below). You can upgrade the controller by including the IQ network communication cartridge; this has its own IP address and SIM card and allows the controller to be programmed and controlled from anywhere in the world that has a phone signal, from your tablet or smart phone, via the free Rain Bird app.

**Features**

- 】 8 station controller base unit, expandable to 48-station by purchasing extension modules
- 】 Up to 5 solenoid stations can operate simultaneously
- 】 Dynamic station numbering eliminates station numbering gaps
- 】 Master valve/pump start circuit
- 】 Plastic, locking, UV resistant, wall-mount case

**Operating specifications**

- 】 Station run timing: up to 96 hrs continuous runtime
- 】 Seasonal Adjust: 0% to 300% (16 hrs maximum station run time)
- 】 4 independent programmes (ABCD); these can overlap
- 】 8 start times per programme
- 】 Programme Day Cycles include: custom days of the week, odd, odd no 31st, even, and cyclical dates
- 】 Manual station, programme, test programme

Product code	ESP-LXME Controller	Price
RB-F44082	ESP-LXME controller 8-station modular	£438.34
RB-F45122	ESP-LXME 12-station modular controller with Flow Smart module	£708.80
RB-F42210	8-station extension module for LXME controller	£177.99
RB-F42220	12-station extension module for LXME controller	£241.82
Useful Accessories		
RB-F45000	Flow-Smart module for LXME	£135.02
RB-F42420	Stainless steel cabinet for ESP-LX	£1,501.62
RB-F42430	Stainless steel pedestal for ESP-LX	£2,440.82
RB-IQ4613E	IQ Network Communication Cartridge-3G (Cellular) with 3G SIM Card and communication included for 1 year	£2,330.33
RB-C01401	IQ Data Plan - annual subscription after the first free year for the IQ4613E communication cartridge	£178.00
RB-A61200	RSDBEx Rain Bird Rain Sensor	£37.75

Prices correct at the time of printing

# ESP-LXD-IVM



The new Rain Bird ESP LX-IVM is a powerful controller that is similar in many ways to the IC method of control in Golf. The ESP LX-IVM has “integrated valve modules” instead of solenoid coils on all your solenoid valves; each of these acts like a microprocessor. You do not have decoders in this system but it still operates on the same twin core cable; the same on that you’d use for a decoder system... but without any decoder!

A benefit of the IVM modules on the solenoid valves is that each IVM module will communicate directly with the LX-IVM controller. If a cable connection is starting to fail, the IVM module will send a message back to the controller. On a weekly report you’ll be able to see that the module is losing current so you’ll be able to sort out the issue before it becomes an actual breakdown.

This controller uses IQ4 Cloud technology, allowing you to use your mobile phones and tablets to control the irrigation system from anywhere that has mobile coverage.

### Quick Specs

	LX-IVM	LX-IVM PRO
Stations	60	240
Programmes	10	40
Simultaneous stations	8	16

Product code	ESP LX-IVM Controllers	Price
RB-F46120 <i>image A</i>	ESP LX-IVM 60 station 2-wire controller with smart valve technology (LXIVMEU)	£1,403.10
RB-F46125	ESP LX-IVM 240 station 2-wire controller with smart valve technology (LXIVMPEU)	£3,671.08
RB-F47100 <i>image B</i>	LX-IVM 2 wire solenoid – for Rain Bird commercial valves (LXIVMSOL)	£181.98
RB-F47110 <i>image C</i>	LX-IVM 2 wire sensor device for weather and flow sensors (LXIVMSEN)	£709.75
RB-F47125 <i>image D</i>	LX-IVM 2 wire field surge protection (LXIVMSD)	£118.66



### Useful Accessories

Product code	Description	Price
RB-MW0501	Rain Bird Blue System Cable 2 x 2,5mm <sup>2</sup> cable - 11mm diameter- 500 metre coil	£1,249.46
RB-MW0501/M	Rain Bird Blue System Cable 2 x 2,5mm <sup>2</sup> cable - 11mm diameter- sold per metre; minimum order 10m	£3.50
RB-IQ4613E <i>image E</i>	IQ Network Communication Cartridge-3G(Cellular) with 3G SIMCard and communication included for 1 year	£2,330.33
RB-C01401 <i>image F</i>	IQ Data Plan - annual subscription after the first free year for the IQ4613E communication cartridge	£178.00

Prices correct at the time of printing

# ESP-LXD



## Decoder-based Irrigation Controller up to 200 solenoid stations

The ESP-LXD decoder-based controller has been installed in a host of football clubs across the UK and is the market leader in wall-mounted decoder controllers. It starts life as a 50-station controller, and you can add 75-station modules to increase capacity to a maximum 200 solenoid stations. The decoder system means the whole system can operate off only 2 wires going to all the solenoid stations. Upgrade the controller with the IQ network communication cartridge, which has its own IP address and SIM card and you can then control your entire irrigation system from your smart phone as long as it has a phone signal.

This controller is great for golf courses, and for sports clubs with multiple pitches. It is also perfect for any project that is likely to expand in size later, because the decoder system allows for very simple expansion.

### Features

- › 50-station controller base unit, expandable to 200-station with modules
- › Up to 5 simultaneous stations
- › Dynamic station numbering eliminates station numbering gaps
- › Master valve/pump start circuit
- › Plastic, locking, UV resistant, wall-mount case

### Operating specifications

- › Station run timing: up to 96 hrs continuous runtime
- › Seasonal Adjust: 0% to 300% (16 hrs maximum station run time)
- › 4 independent programmes (ABCD), which can overlap
- › 8 start times per programme
- › Programme Day Cycles include: custom days of the week, odd, odd no 31st, even, and cyclical dates
- › Manual station, programme, test programme

Product code	ESP-LXD Controller	Price
RB-F43120	ESP-LXD decoder controller 50-station modular	£1,961.41
RB-F43150	ESP-LXD 75-station expansion module	£331.73
Useful Accessories		
RB-F42420	Stainless steel cabinet for ESP-LX	£1,501.62
RB-F42430	Stainless steel pedestal for ESP-LX	£2,440.82
RB-IQ4613E	IQ Network Communication Cartridge-3G(Cellular) with 3G SIM Card and communication included for 1 year	£2,330.63
RB-C01401	IQ Data Plan - annual subscription after the first free year for the IQ4613E communication cartridge	£178.00
RB-A61200	Rain Sensor	£37.75

Prices correct at the time of printing

## iQ & Cloud

### iQ4 Smart Phone Control

The iQ4 communication cartridge allows you to use your smart phone to control the irrigation system anywhere that you have mobile reception. This can be in the middle of your golf course or football pitch, or at home, or while on the beach in Spain. The system operates with Rain Bird ESP LX wall-mount controllers, including the ESP LXME (multi-cable controller), ESP LXD (decoder controller) and ESP LX-IVM (IV module system controller).

The iQ4 communication cartridge simply plugs into the door of the wall-mounted irrigation controller and then communicates to the outside world via a SIM card or via LAN. Once an IQ cartridge is installed, there is often no reason to go to the actual wall-mounted controller again, except to change the 9-volt battery once a year, because everything else can be done from your office computer and smart phone.

You can also use iQ4 to manage our Rain Bird TBos battery timers in the field, so you could have any number of TBos battery timers scattered through a site such as a golf course and then control them all from your office computer. This is great if you have a manual irrigation system (if no solenoid cable was installed with the pipes) and you would like to automate the system.



### Rain Bird iQ4 Cartridge Options (for individual ESP LX controllers)

You have 3 methods to connect your iQ4 communication cartridge to your office computer. The 3G cellular (first option below) is the most commonly used because it allows the irrigation controller to be remotely installed (for example in the pump shed). The LAN and RS232 systems require a direct cable connection between the controller and your PC, so your irrigation controller needs to be close to your office computer.



Product code	Description	Price
RB-iQ4613E	Rain Bird IQ Network Communication Cartridge-3G(Cellular) with 3G SIM Card and communication included for the first year. Use this cartridge to communicate via mobile coverage, and configure it to your office computer & smart phones via the app.	£2,330.33
RB-iQ4603	Rain Bird IQ Network Communication Cartridge -Ethernet (Wired LAN Network). Includes embedded ethernet Network Modem with RJ-45 port, and patch cable. Note this system is difficult & time-consuming to set up compared with the 3G cellular option above.	£932.57
RB-iQ4600	Rain Bird IQ Network Communication Cartridge - RS232 (external or computer direct connect). Includes RS-232 port for direct cable.	£732.25
RB-C01401	Rain Bird IQ Data Plan - 1 year; free for first year but this is the annual cost thereafter.	£178.00
RB-iQ4640	Rain Bird IQ external Antenna for IQ3G1Y with 90 cm cable, required only for metal-cased controllers.	£231.75

Prices correct at the time of printing

## iQ & Cloud

### iQ Platform controlling TBos battery timers

This is how you can connect multiple TBos battery timers to a central controller and then to your office computer:



Product code	Description	Price
RB-F43120 <i>image A</i>	ESP-LXD Decoder Controller (50 station base unit, expandable up to 200 stations). Use this on a golf course to operate your decoders, and then connect your TBos battery timers to the same controller.	£1,961.41
RB-F44082 <i>image B</i>	ESP-LXME controller 8-station modular. If you only have TBos battery timers (no decoders) then use this controller as the base controller because it's the cheaper option.	£438.34
RB-IQ4613E <i>image C</i>	Rain Bird IQ Network Communication Cartridge-3G(Cellular) with 3G SIM Card and communication included for the first year. This cartridge slots into the ESP LX controller. Use this cartridge to communicate with the outside world, and configure it to your office computer & smart phones via the Rain Bird iQ app.	£2,330.33
RB-F48320 <i>image D</i>	IQ TBOS Master Radio Module; this slots inside the ESP-LX controller and allows the communication with the TBos timers. Can communicate with max. 15 radio relays & max. 32 radio adaptors	£564.03
RB-F48501 <i>image E</i>	TBOS-BT™ Control Module: 1 station battery timer	£132.31
RB-F48502	TBOS-BT™ Control Module: 2 station battery timer	£152.67
RB-F48504	TBOS-BT™ Control Module: 4 station battery timer	£166.55
RB-F48506	TBOS-BT™ Control Module: 6 station battery timer	£180.42
RB-F48230 <i>image F</i>	TBOS-II™ Radio Adaptor; you require one of these per TBos battery timer in order to radio to the main controller.	£144.50
RB-F48301 <i>image G</i>	TBOS™ Radio Relay with 12VAC Transformer; this bounces the signal from the TBos radio adaptor to the ESP LX controller. Use one no more than 300 metres from the Radio Adaptor, then 1200 metres between Radio relays to get back to the ESP LX controller. Rechargeable battery pack included.	£771.30

A



B



C



D



E



F



G



## Decoders

### Rain Bird Decoders

Decoders are used extensively on golf courses, sports pitches and large landscape irrigation systems. A decoder controller differs from conventional irrigation controllers in that it only needs 2 strands of wire (normally sheathed into one large 2-core cable) to operate potentially hundreds of solenoid valves. It can do this because at every solenoid valve we will install a decoder; when the irrigation controller sends out a signal for say valve station 38 to open, every decoder receives the signal but only the decoder programmed as station 38 will respond; it will then allow the electricity to pass through to the solenoid valve, which will then open and irrigate.

Please note that our **Rain Bird Decoders** will only operate on Rain Bird decoder-controllers, such as the Rain Bird ESP-LXD or a Rain Bird central PC decoder-based control system. Don't try to use them on other brands of controller because they will not be able to communicate with each other.

For each decoder you will need 4 cable connectors. We suggest the WC100, listed below. This is designed for the large cable diameter and has minimal resistance. Whenever you are replacing a cable-path, please use our Rain Bird decoder cable. It is the best on the market and it's strong and durable. We sell this per metre if you don't want to purchase a 500-metre roll.

Product code	Description	Price
RB-M61101 <i>image A</i>	FD101 Field Decoder, one-way, 1 solenoid per station	£116.47
RB-RBEM61000 <i>image B</i>	FD102 Field Decoder, one-way, 2 solenoids per station	£162.69
RB-M61400 <i>image C</i>	FD202 Field Decoder, two-way, 2 solenoids per station	£265.84
RB-M61440 <i>image D</i>	FD401 Field Decoder, four-way, 1 solenoid per station	£297.21
RB-M61600 <i>image E</i>	FD601 Field Decoder, six-way, 1 solenoid per station	£522.95
RB-M98999 <i>image F</i>	LSP-1 Line Surge Protection Device (use one every 8 decoders and one at the end of each cable run)	£74.50
RB-RBEM72000	PD Pump Decoder	£856.51
RB-M62001 <i>image G</i>	SD Sensor Decoder	£506.43



Prices correct at the time of printing

# Decoders

## Useful Accessories

Product code	Description	Price
RB-WC100 <i>image I</i>	DBR-Y style connector for Max 3 wires 4 mm <sup>2</sup> (600V max)	£2.24
RB-MW0501 <i>image J</i>	Rain Bird twin core decoder cable 2 x 2.5mm <sup>2</sup> cable - Ø11mm - 500m coil	£1,249.46
RB-MW0501/M <i>image J</i>	Rain Bird twin core decoder cable 2 x 2.5mm <sup>2</sup> cable - Ø11mm - sold per metre (minimum 20 metres)	£3.20
RB-MW9999 <i>image K</i>	Wire Stripper Tool	£42.41
IRR-CER58-24	Copper earthing rod <sup>5</sup> / <sub>8</sub> " x 2.4 metres – use in conjunction with the LSP-11line surge protection device	£28.64
IRR-CERC15	Copper earthing rod clamp for connection of earth cable – use with the copper earthing rod.	£8.95



Prices correct at the time of printing

## Central Controllers

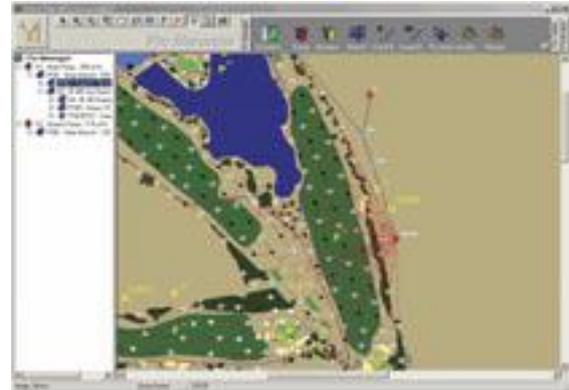
### Rain Bird Central Control Systems

Central control systems include a PC computer, two monitors and printer, so your irrigation system is kept completely separate from your day-to-day activities. When you have a large system with potentially hundreds of solenoid valves in the field, you really need a PC central control system. The PC system means you can clearly see your irrigation programmes, make alterations etc and see how your system water usage will happen through various cycles, without having to scroll through an LCD screen on a wall-mounted irrigation controller.

There are several options available depending upon the size of your golf course (or multiple courses) and how sophisticated you want it to be. Rain Bird weather stations and Soil Scout soil moisture sensors can be incorporated to control your irrigation via daily weather results or soil moisture levels, and MI (mobile interface) allows you to use your smart phone to control your system while you're out on the course.

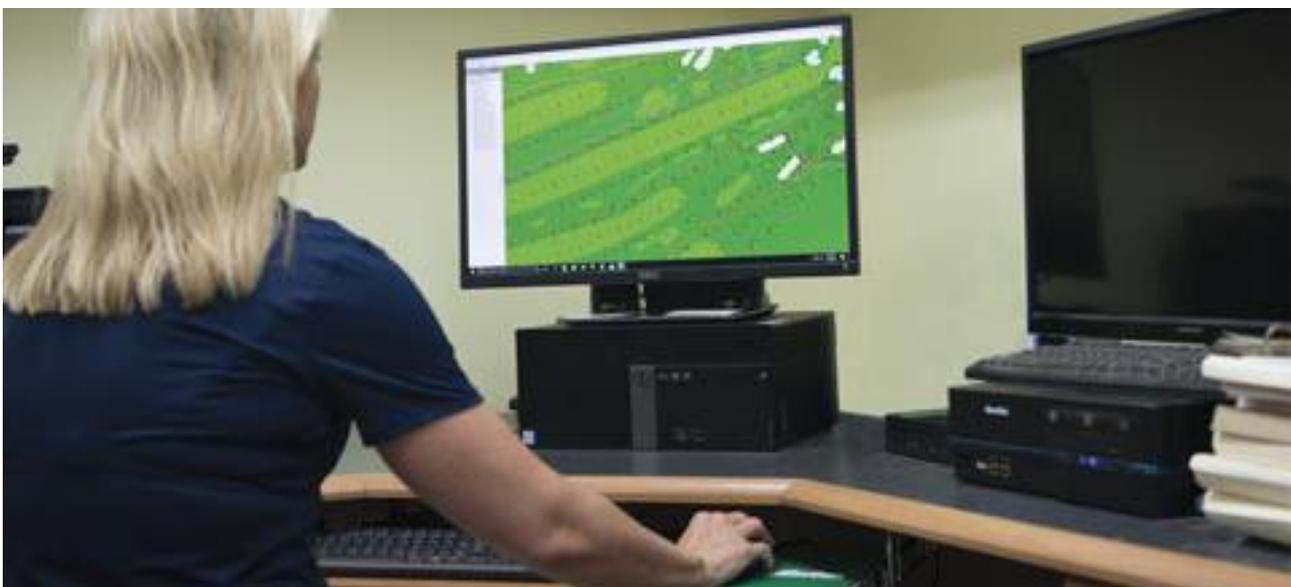
To build your Rain Bird PC Central Control System you will need:

1. The PC central control system of your choice. This is the brain behind the controls. Choose one of the 4 options below:
  - a. **Stratus LT** for one 18-hole golf course (300 decoders or 750 IC stations).
  - b. **Stratus II** for 2 courses or 27-holes (700 decoders or 6,000 IC stations).
  - c. **Nimbus** for 3 courses or 54 holes (4,000 decoders or 24,000 IC stations).
  - d. **Cirrus**, also for 3 courses or 54 holes (6,000 decoders or 36,000 IC stations).
2. Your Rain Bird irrigation system could be decoder based or IC based. An IC system, unique to Rain Bird,



uses an Integrated Control module instead of a decoder & solenoid coil and has huge benefits. This is described in more detail later. This will determine what hardware you'll require:

- a. If your irrigation system (rotors & solenoid valves) is decoder-based, you'll need a decoder interface; this is the box that links the PC to the outside world. You have 2 options:
    - i. SDI means small decoder interface
    - ii. LDI means large decoder interface
  - b. If your irrigation system uses IC modules on your rotors & solenoid valves, you'll require an IC interface (750, 1500 or 3,000 station interfaces are available)
3. A line termination box; only required on decoder systems, not required on IC systems.
  4. A Surge pipe and grounding plate to prevent electrical surges (including a lightning strike) reaching your PC.
  5. An optional Mobile Interface, so you can use your smart phone or tablet to make things happen while you're in the field.
  6. GSP stands for Global Service Plan. It is optional but gives you Rain Bird's online backup and has huge benefits.



Prices correct at the time of printing

## Central Controllers



### Stratus LT

This can control an 18-hole golf course (300 decoders or 750 IC stations) and can control either a decoder or an IC system, based on the hardware you choose. If you have an 18-hole golf course then you should probably use this option; it has all the bells and whistles you should want at a very affordable price. The PC computer comes with a Pentium 4 or higher processor, 32Mb video card, LCD monitor and printer.

#### STRATUS LT Version 8 Pack.

Use this pack if you are new to Rain Bird central control systems. It has the PC system and software to get you going.

##### Includes:

- Latest Version 8 Full Software - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 650VA inverter
- 2 x Dell 24" monitor
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation; basic software user's training).

**Product Code:** RB-H5280101    **Price:** £7,570.03

#### STRATUS LT UPGRADE Version 8 Pack.

Use this pack if you already have an old DOS Rain Bird system and you want to upgrade, or you have a Rain Bird IQ-LXD decoder system and you'd like to convert it to a PC system.

##### Includes:

- Latest Version 8 Software Upgrade for existing Rain Bird Golf Courses - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 650VA inverter
- 2 x Dell 24" monitors
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation ; basic software user's training).

**Product Code:** RB-H5280201    **Price:** £6,514.63

#### STRATUS LT UPDATE Version 8.

Use this if you have an existing Rain Bird Stratus LT and you just need a software update.

##### Includes:

- Software Update for existing Rain Bird Golf Courses equipped with Stratus LT (Version 2.x to Version 7.x).

**Product Code:** RB-H9200508    **Price:** £3,184.40

Central control systems are expensive, so to ensure you are choosing the best system for your course, please contact us. We will gladly visit your course and discuss options. Talk to your local Rigby Taylor rep or contact the irrigation department

## Central Controllers



### Stratus II

The Rain Bird Stratus II has all the benefits of Stratus LT but can control 27 holes or 2 golf courses (700 decoders or 6,000 IC stations).

#### STRATUS II Version 8 Pack.

Use this pack if you are new to Rain Bird Central control systems. It has the PC system and software to get you going.

#### Includes:

- Latest Version 8 Full Software - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 750VA inverte
- 2 x Dell 24" monitors
- 4 ports multiplie
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation; basic software user's training).

**Product Code: RB-H5270101 Price: £14,573.97**

#### STRATUS II UPGRADE Version 8 Pack.

Use this pack if you already have an old DOS Rain Bird system and you want to upgrade, or you have a Rain Bird IQ-LXD decoder system and you'd like to convert it to a Stratus II PC system.

#### Includes:

- Latest Version 8 Software Upgrade for existing Rain Bird Golf Courses - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 750VA inverter
- 2 x Dell 24" monitors
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation; basic software user's training).

**Product Code: RB-H5270201 Price: £12,463.19**

#### STRATUS II UPGRADE

Use this pack if you have an existing Rain Bird central PC system but need a software upgrade - Version 8 -

#### Includes:

- Software Upgrade for existing Rain Bird Golf Courses equipped with Stratus, Nimbus software.

**Product Code: RB-H93008 Price: £8,724.24**

#### STRATUS II UPDATE Version 8.

Use this if you have an existing Rain Bird Stratus LT and you just need a software update.

#### Includes:

- Software Update for existing Rain Bird Golf Courses equipped with Stratus II (Version 2.x to Version 7.x).

**Product Code: RB-H9300508 Price: £3,184.40**

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## Central Controllers



### Nimbus II

Rain Bird's Nimbus II is a very powerful central control system designed for 3 golf courses or 54 holes (4,000 decoders or 24,000 IC stations).

#### NIMBUS II Version 8 Pack

Use this pack if you are new to Rain Bird Central control systems. It has the PC system and software to get you going.

#### Includes:

- Latest Version 8 Full Software - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 750VA inverter
- 2 x Dell 24" monitors
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation; basic software user's training).

**Product Code: RB-H5260101    Price: £22,057.64**

#### NIMBUS II UPGRADE Version 8 Pac.

Use this pack if you already have an old DOS Rain Bird system and you want to upgrade.

#### Includes:

- Latest Version 8 Software Upgrade for existing Rain Bird Golf Courses - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 750VA inverter
- 2 x Dell 24" monitors
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation; basic software user's training).

**Product Code: RB-H5260201    Price: £19,179.31**

#### NIMBUS II UPDATE Version 8

#### Includes:

- Software Update for existing Rain Bird Golf Courses equipped with NIMBUS II (Version 2.x to Version 7.x)

**Product Code: RB-H9400508    Price: £3,184.40**

Central control systems are expensive, so to ensure you are choosing the best system for your course, please contact us. We will gladly visit your course and discuss options. Talk to your local Rigby Taylor rep or contact the irrigation department

## Central Controllers



### Cirrus

Rain Bird's Cirrus is the most powerful central control system we offer, also for 3 golf courses or 54 holes. It differs from the Nimbus in that it can control 6,000 decoders or 36,000 IC stations.

#### CIRRUS Version 8 Pack

Use this pack if you are new to Rain Bird Central control systems. It has the PC system and software to get you going.

##### *Includes:*

- Latest Version 8 Full Software - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site)
- wireless mouse & keyboard
- 750VA inverter
- 2 x Dell 24" monitors
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation; basic software user's training).

**Product Code: RB-H5250101    Price: £29,733.20**

#### CIRRUS UPGRADE Version 8 Pack.

Use this pack if you already have an old DOS Rain Bird system and you want to upgrade.

##### *Includes:*

- Latest Version 8 Software Upgrade for existing Rain Bird Golf Courses - Rain Bird Computer Package (Dell PC Tower with 3 years hardware warranty next business day on site ;
- wireless mouse & keyboard
- 750VA inverter
- 2 x Dell 24" monitors
- 4 ports multiplier
- Windows® and peripherals are installed and configured in the customer language, properly set to operate irrigation software)
- On site start up (certification of the installation ; basic software user's training).

**Product Code: RB-H5250201    Price: £25,895.42**

#### CIRRUS UPGRADE - Version 8.

##### *Includes:*

- Software Upgrade for existing Rain Bird Golf Courses equipped with Stratus or Nimbus software.

**Product Code: RB-H95009    Price: £8,126.80**

#### CIRRUS UPDATE Version 8.

##### *Includes:*

- Software Update for existing Rain Bird Golf Courses equipped with CIRRUS (Version 2.x to Version 7.x)

**Product Code: RB-H9500508    Price: £3,184.40**

Central control systems are expensive, so to ensure you are choosing the best system for your course, please contact us. We will gladly visit your course and discuss options. Talk to your local Rigby Taylor rep or contact the irrigation department

# Central Controllers

## Rain Bird Site Control

**Site Control** is Rain Bird's central control system for very large landscape systems and sports irrigation systems (multiple sports pitches and training grounds), where you require a PC to operate the irrigation system due to its size or complexity.

Site Control is being used by many major football clubs across the UK, especially at their training grounds where they may have in excess of 8 separate pitches to look after. Considering each pitch can have 12-20 solenoid stations, one training facility can easily have 100-200 stations to look after. When the football manager needs specific routines to be placed on different pitches for their player's training schedules, life can get tricky for the grounds staff! Rain Bird's Site Control allows simple and fast access to the irrigation programmes for each pitch, as well as managing the pump systems (optimising system flow rates) and weather station information.

Control in the field now utilises Rain Bird's MI (mobile interface). This uses your smart phone or tablet to control any valve or programme in your Site Control, so you can turn sprinklers on and off while you stand on the side line. This is especially handy when you want to make sure everything is working fine in the field, or if you have just applied granular fertilisers to a given area.

**There are 4 options available, listed below.** All options use the Rain Bird decoder system. The first 2 options are for sites with fewer than 200 stations; the second 2 options are for sites 200-500 stations.



**Each option below includes**

- › Site Control version 5 software
- › 1 year GSP off-site Rain Bird support
- › 1 year temporary MI (mobile interface) for remote control
- › PC pack with 3 year next-day onsite warranty
- › Monitor
- › Keyboard
- › Printer
- › UPS
- › Software & Windows pre configuration



Product code	Description	Price
RB-M2580001	Site Control 500 stations, includes large decoder interface, LTB300 line termination box; with Rain Bird on-site start-up support	£28,350.05

## GSP

### GSP: Rain Bird's Global Service Plan

GSP stands for Global Service Plan and is designed for those of you who own a Rain Bird Central Control system (Stratus LT, Stratus II, Nimbus, Cirrus and Site Control) and want online backup for those times when things just don't go as planned. It is a subscription which you pay annually; the value depends upon the amount of back-up you want. You can choose a GSP option that includes renewing your hardware (PC tower, monitor, printer and software) or choose just the back-up without hardware renewal.



The Rain Bird GSP is a very useful add-on subscription that gives you the peace of mind of knowing that if anything goes wrong with your Central Control System, you have Rain Bird's back-up. This includes holding your entire irrigation programme in the Cloud and being able to utilise the assistance of a trained central control technician online. If your computer dies or inadvertently gets destroyed then your GSP contract can provide you with a loan PC until your original one is repaired or replaced.

Considering most of us are not as computer savvy as we would like to be, and your Central Control System can be a bit bewildering when it doesn't quite go as planned, it is nice to know that help is only a phone call away if things turn pear-shaped.

There are a few different options you can choose that reflect the amount of back-up you want. There is also the option of MI; Mobile Interface. This allows you to control your central irrigation system from your mobile phone or tablet. This is extremely handy.



### GSP Services without Hardware

Each of the options below assume you currently have the PC and the software to operate your system effectively.

		A1	A2	A3	A4	A5
		<b>GSP Advantage LT</b>	<b>GSP Advantage</b>	<b>GSP Advantage</b>	<b>GSP Optimum Extension</b>	<b>GSP Deluxe Extension</b>
	<b>Services without hardware</b>	<b>Auto Renewal</b>	<b>1 Year</b>	<b>Auto Renewal</b>	<b>Auto Renewal</b>	<b>Auto Renewal</b>
	<b>Part Number</b>	002239ADVL	002239ADV	002239ADVRW	002239OPTX	002239DLXEX
<b>Contract total duration</b>		Unlimited	12 months	Unlimited	Unlimited	Unlimited
<b>Supports to secure your system's operation</b>	Unlimited toll free GSP phone support <sup>(1)</sup>	•	•	•	•	•
	Computer remote access trouble shooting	•	•	•	•	•
	1 x MI Pro temporary licence		•	•	•	•
	1 x MI Advanced temporary licence		•	•	•	•
	Automatic remote database back-up		•	•	•	•
	1 day on-site visit each year (training, update...)					•
<b>Keep your system up to date</b>	Annual remote system check		•	•	•	•
<b>Supports to counter-measure critical situations</b>	Remote support Monday - Friday 8h00 ~ 18h00 (CET time zone) <a href="mailto:gsp@rainbird.eu">gsp@rainbird.eu</a>	•	•	•	•	•
	Access to 25 % discount on Board Exchange Program				•	•
	48 hours hardware replacement <sup>(5)</sup>				•	•
	48 hours loan PC replacement				•	•
	Remote support 24/7 in case of emergency					•
<b>GSP Public Prices as of 2021</b>	GSP Contract Invoice instalment (Euros)					
	GSP Contract Invoice instalment (GBP)	<b>£899.00</b>	<b>£1,214.10</b>	<b>£1,012.50</b>	<b>£1,548.90</b>	<b>£2,793.60</b>

<sup>(1)</sup> : Toll free numbers available for Finland, France, Germany, Ireland, Italy, Portugal, United Kingdom, Spain, Sweden

<sup>(2)</sup> : Software update to Version 8 applicable within the same software platform than the existing one on site.

<sup>(3)</sup> : 3 years hardware DELL warranty next business day on site.

<sup>(4)</sup> Rain Bird PC specification : Dell Optiflex 7060, 24" Monitor, Accessories, Serial Port adapters, Standard capabilities for any Golf Software

<sup>(5)</sup> : Interfaces and MIM parts sent by fast courier. Parts to be invoiced at standard terms.

<sup>(6)</sup> Rain Bird PC specification : Dell Optiflex 3070, 24" Monitor, Accessories, Serial Port adapters, Basic capabilities for Stratus LT

Prices correct at the time of printing

### Services including renewing your Hardware

Each of the options below includes a new PC and version 8 Rain Bird software, replaced at the start of the term. You then have 3 years or 5 years to pay this off in annual instalments.

		B1	B2	B3	B4	B5	B6
 <b>Services with hardware</b> Part Number		GSP Optimum LT V8 + Basic PC		GSP Optimum V8 + Standard PC		GSP Deluxe V8 + Standard PC	
		3 Years	5 Years	3 Years	5 Years	3 Years	5 Years
		002239OPT3LT	002239OPT5LT	002239OPT3	002239OPT5	002239DLX3	002239DLX5
Contract total duration		36 months	60 months	36 months	60 months	36 months	60 months
Supports to secure your system's operation	Unlimited toll free GSP phone support <sup>(1)</sup>	●	●	●	●	●	●
	Computer remote access trouble shooting	●	●	●	●	●	●
	1 x MI Pro temporary licence	●	●	●	●	●	●
	1 x MI Advanced temporary licence	●	●	●	●	●	●
	Automatic remote database back-up	●	●	●	●	●	●
	1/2 day on-site visit for PC Installation	●	●	●	●	●	●
	1 day on-site visit each year (training, update...)					●	●
Supports to keep your system up to date	Annual remote system check	●	●	●	●	●	●
	Rain Bird Software update to Version 8 <sup>(2)</sup>	●	●	●	●	●	●
	3 Years Dell Hardware warranty on site <sup>(3)</sup>	●	●	●	●	●	●
	Basic PC - Rain Bird plug & play <b>Stratus LT</b> <sup>(6)</sup>	●	●				
	Standard PC - Rain Bird plug & play <b>Stratus II, Nimbus II &amp; Cirrus</b> <sup>(4)</sup>			●	●	●	●
Supports to counter-measure critical situations	Remote support Monday - Friday 8h00 ~ 18h00 (CET time zone) gsp@rainbird.eu	●	●	●	●	●	●
	Access to 25 % discount on Board Exchange Program	●	●	●	●	●	●
	48 hours hardware replacement <sup>(5)</sup>	●	●	●	●	●	●
	48 hours loan PC replacement	●	●	●	●	●	●
	Remote support 24/7 in case of emergency					●	●
GSP Public Prices as of 2021	GSP Contract Invoice instalment (Euros)						
	GSP Contract Invoice instalment (GBP)	£2,098.80	£1,788.30	£2,504.70	£2,120.40	£3,856.50	£3,476.70

<sup>(1)</sup> : Toll free numbers available for Finland, France, Germany, Ireland, Italy, Portugal, United Kingdom, Spain, Sweden

<sup>(2)</sup> : Software update to Version 8 applicable within the same software platform than the existing one on site.

<sup>(3)</sup> : 3 years hardware DELL warranty next business day on site.

<sup>(4)</sup> Rain Bird PC specification : Dell Optiflex 7060, 24" Monitor, Accessories, Serial Port adapters, Standard capabilities for any Golf Software

<sup>(5)</sup> : Interfaces and MIM parts sent by fast courier. Parts to be invoiced at standard terms.

<sup>(6)</sup> Rain Bird PC specification : Dell Optiflex 3070, 24" Monitor, Accessories, Serial Port adapters, Basic capabilities for Stratus LT

To purchase your Global Service Plan, contact your Rigby Taylor rep or your Rain Bird irrigation contractor. You'll need to fill out a simple form and sign it, pay your first year's subscription, and then everything will be done online. If you purchase a GSP plan with hardware then the PC will be sent to you fully loaded with Rain Bird's latest version software.

Your programming will then be downloaded remotely and you'll be good to go. GSP is used by many golf courses and sports clubs throughout the UK and has proven to be worth its weight in gold!

# Central Decoder

## Decoder based central control hardware

These pages list the hardware you will need to make your decoder-based irrigation.



### Decoder Interface

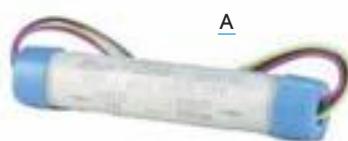
The decoder interface links the Central PC hardware to the field wires.

Product code	Description	Price
RB-H49200	Small Decoder Interface (SDI) Pack - Includes Transformer and RB-M63100 Line Termination Box 100. Use this to connect your Stratus LT system to the field. Use one SDI per 200 stations.	£7,285.46
RB-M15006	Replacement SDI 220VAC (Small Decoder Interface) on its own, excludes transformer.	£6,716.88
RB-M15008	LDI 230V (Large Decoder Interface) includes: Transformer and RB-M63300 line termination box 300. Use this to connect your Stratus II, Nimbus II and Cirrus systems to the field. Use one LDI per 500 stations.	£7,922.12

### Surge Control of your PC System

You must protect your Central PC system from electrical surges coming from the field, which includes lightning. The Surge pipe prevents these surges from entering the building, while the associated grounding plate sends the surge to ground. You will need 1 surge pipe per field wire pair entering the building. You can reduce this cost by connecting multiple field wires together into 1 pair, before they enter, and then just use the one surge pipe.

Product code	Description	Price
RB-D05110 <i>image A</i>	MSP1 Surge pipe. Use 1 per line path entering the building.)	£796.63
RB-D05400 <i>image B</i>	MGP1 Grounding plate for MSP-1. Use one per MSP1	£472.62



Prices correct at the time of printing

# Central Decoder

## Replacement LTBs

Line Termination Boxes are part of the SDI pack or LDI pack so you shouldn't need to buy them separately in a new system. If you require a replacement, here they are.

Product code	Description	Price
RB-M63100	LTB100 Line Termination Box 100	£614.26
RB-M63300	LTB300 Line Termination Box 300	£892.82

## Decoders

Product code	Description	Price
RB-M61101	FD101 Field Decoder, one-way, 1 solenoid per station	£116.47
RB-RBEM61000	FD102 Field Decoder, one-way, 2 solenoids per station	£162.69
RB-M61400	FD202 Field Decoder, two-way, 2 solenoids per station	£265.84
RB-M61440	FD401 Field Decoder, four-way, 1 solenoid per station	£297.21
RB-M61600	FD601 Field Decoder, six-way, 1 solenoid per station	£522.95
RB-M98999	LSP1 Line Surge Protection Device	£74.50
RB-EM72000	PD Pump Decoder	£856.51
M62001	SD Sensor Decoder	£506.43
RB-WC100 <i>inset image</i>	Connector for Max 3 wires 4 mm <sup>2</sup> (600V max)	£2.24



Prices correct at the time of printing

## Central IC

### IC Based Central Control Hardware & IC Rotors

IC is a system unique to Rain Bird. It is similar to a decoder system in that the whole course can be operated on one twin-core cable, but that's pretty much where the similarity ends. Here is a brief description of how an IC System differs from a decoder system:

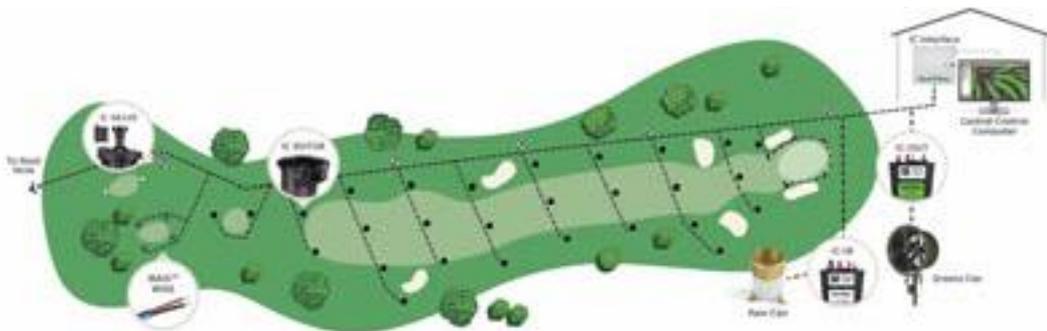


#### How a Decoder system works

In the UK and in many parts of the world decoder systems are the predominant way to control large irrigation systems. A decoder is a small piece of hardware that is installed in the solenoid valve box or at the golf rotor. A decoder system can control hundreds of solenoid stations (solenoid valves or electric golf rotors) from one twin-core solenoid cable. This is managed because each decoder has its own unique address; the controller sends a signal for, let's say, station No.79 to open; every decoder in the irrigation system will receive this signal but only the decoder assigned to station No.79 will respond, open, and allow the electricity to pass through to the solenoid valve or rotor, which will then turn on. Each decoder is just an electronic switch; it allows the electricity to pass through to the solenoid coil but it does not know what happens afterwards; it can't tell if the solenoid has opened or not.

#### How an IC System works

An IC module is a specialized microprocessor that is an integral component coupled inside a Rain Bird solenoid coil, so from the outside it just looks a bit bigger than a standard solenoid coil. It screws directly into the solenoid valve (via a valve adaptor) or golf rotor just as a standard solenoid coil would. The irrigation controller sends a signal out to all the stations on a twin-core cable path (this is the same cable as a decoder system uses), but again only station No.79 will respond, using the example above.



The IC module differs from a decoder in that it is a true microprocessor; it can tell whether the solenoid valve or rotor has turned on because of the change in current. If the solenoid valve or rotor doesn't respond, the IC module will send an alarm back to the controller that there is an issue. Importantly you can test an entire IC control system (i.e. potentially thousands of solenoid valves or rotors) in a few minutes each morning (this can be done automatically from your Central PC) without any solenoid valves or sprinklers actually turning on; the current, resistance etc. is recorded by the control system. By this process you can see any problems in your wiring, even before the problem has caused a physical issue. For example, a cable joint that is corroding or loose will show up as an issue on your PC screen and can be located and repaired BEFORE the cable joint has even caused a physical fault! The IC system is hugely powerful. It is slightly more expensive than a decoder system but is faster to install and uses half the number of cable joints so can work out to be a similar price once installed.

# Central IC

## IC Hardware

With an IC system you still need an interface and also still require all of the same surge (including lightning) protection.

Product code	Description	Price
RB-HS6085 <i>image A</i>	IC+ (Integrated Control Interface Plus) Interface to connect any size of IC system	£9,900.00
RB-214010	ICM: Integrated control module for rotor conversion. Use this if you want to convert a standard rotor into an IC rotor	£173.88
RB-213831 <i>image B</i>	ICMVLKIT: Combo IC module & valve adaptor pre-assembled for valve conversion. Use this if you want to convert a standard solenoid valve to IC.	£173.88
RB-HS4000 <i>image C</i>	IC-IN: IC inward sensor input. Feed data into your system with this sensor, such as weather stations & rain cans.	£1,065.01
RB-HS5000 <i>image D</i>	IC-OUT: IC outward sensor. Remotely control field equipment, like your security system, lake water levels, lighting... anything you can think of with this sensor.	£930.18



## IC Rotors

If you have an IC system then use these rotors, which come with the IC module pre-installed. You can recognise an IC module on a rotor because the wire pair is red and black (standard 24vac coil wires are both white).

Product code	Description	Price
RB-GRC042740	Rain Bird 702 IC Full circle rotor complete with IC module. 1¼" ACME inlet	£570.81
RB-GRC142740 <i>image E</i>	Rain Bird 752 IC adjustable arc rotor complete with IC module. 1¼" ACME inlet	£600.97
RB-J0010060IC	Rain Bird 900 IC Full circle rotor complete with IC module. 1½" ACME inlet	£605.12
RB-J0045028IC <i>image F</i>	Rain Bird 950 IC adjustable arc rotor complete with IC module. 1½" AMCE inlet	£624.22



# Lightning Protectors

## Lightning Protection & Earthing

All Rain Bird central control systems and decoder systems require earthing. This helps prevent surges in electricity (including lightning) that can seriously damage your electronic hardware; your PC control system in your office and your decoders or IC modules in the field.

There are 2 lines of defence for a Rain Bird PC Central control system (Stratus, Nimbus or Cirrus). The first is at the entry point where the field cables enter the building that houses your control system. The second defence is out in the field, where line surge protection should be installed throughout your field-wiring system as specified below.

For the ESP-LXD decoder wall-mount controller and the ESP LX-IVM wall-mount controller you will need surge protection in the field but not at the controller.



### Rain Bird Central Control Surge Protection: Into the building

Before your field wires enter the building that houses your PC control system, you need a Surge Pipe and grounding plate installed; one each of these should be installed for each cable run leaving the building. You can cheat on this in some instances by having only one cable leaving the building, and then branching in different directions in the field after the surge pipe. However you do need at least one surge pipe and grounding plate per decoder interface or IC interface in your system.

Product code	Description	Price
RB-D05110 <i>image A</i>	MSP1 Surge pipe	£796.63
RB-D05400 <i>image B</i>	MGP1 Grounding plate for MSP-1	£472.62

**A**



**B**



Prices correct at the time of printing

# Lightning Protectors

## Rain Bird Field Surge Protection (all decoder, IC & IVM systems)

This is the hardware that is installed along your twin-core cable path. This hardware will protect your decoders or IC modules from a serious surge such as lightning. Rain Bird suggest you install one LSP1 Line surge protection device for every 8 decoders or 150 metres of cable, whichever is smaller.

For IC systems and the IVM the ICSD (RB-HS1000) should be installed after every 15 IC modules or every 150 metres.

Both surge devices must be adequately grounded; use our copper earthing rods for this. These are much longer than household copper earthing rods and should be installed up to 8' in the ground.

Product code	Description	Price
RB-M98999 <i>image C</i>	LSP1: Line surge protection device for decoder systems	£74.50
RB-HS1000 <i>image D</i>	ICSD: Integrated control surge device for IC control systems	£91.25
RB-F47125 <i>image E</i>	LX-IVMSD: 2 wire field surge protection for the ESP LX-IVM controller	£118.66



## Copper Earthing

Product code	Description	Price
IRR-CER58-4 <i>image F</i>	Copper earthing rod 5/8" x 1.2 metres	£16.09
IRR-CER58-24	Copper earthing rod 5/8" x 2.4 metres	£28.64
IRR-CERC58 <i>image G</i>	Copper earthing rod coupler (join 2 of the 1.2m rods above together)	£4.62
IRR-CERC15 <i>image H</i>	Copper earthing rod clamp for connection of earth cable	£8.95



Prices correct at the time of printing

# Weather Stations

## Rain Bird Weather Stations

A WeatherStation, when used with a central control system (i.e. Rain Bird PC system), reads the daily evapotranspiration (ET) levels and adjusts the irrigation accordingly. The ET is determined by the weather station collating information including the air temperature, wind speed, wind direction, solar radiation, relative humidity and rainfall. This can increase the accuracy of your irrigation applications, ensuring you are applying the correct amount of water for your turf each day. It also has the potential to save you a great deal of money in terms of pump-kilowatts and water; especially if you are paying for your irrigation water.

**Communication Options:** There are options available for transmission of the information from your weather station to your Central Control System:

- ▮ Wireless communication (AC powered, delivered to the PC via radio, or Solar power)
- ▮ Phone communication; solar powered.
- ▮ Direct wire communication (short haul modem)

### The Rain Bird Pro-LT is significantly cheaper than the Pro2, so what's the difference?

The measurement of information between the 2 models is not significantly different, but the Pro-2 model can control the irrigation system immediately, even during an irrigation cycle, whereas the Pro-LT determines how the irrigation system will operate in its next irrigation cycle. The Pro-2 therefore can be far more accurate in that it is controlling the irrigation system in a true real-time way... however this does come at a greater cost!

**Automatic Shut off / Turn on (Pro-2 model):** Your Rain Bird central control system will suspend irrigation in the event that the Pro-2 weather station receives information to do so and will resume the irrigation once conditions are appropriate. Note that you can program this to happen for the entire system or specific areas (greens, tees, fairways, etc) while other programmes can continue unaffected. This feature is not available with the Pro-LT, which will simply collate the information and send a revised programme to the central controller before the start of an irrigation cycle.

**Automatic notification (Pro-2 model):** The Pro-2 model can send you an automatic notification via email or text if a weather response has affected irrigation. This feature is also not available with the Pro-LT.

## WS-PRO2 Weather Station

Product code	Description	Price
RB-H5990001	WSPRO2 PH AC: Automatic Weather Station PRO2, Phone communication, AC power. Includes on site start up	£24,157.09
RB-H5991001	WSPRO2 SH AC: Automatic Weather Station PRO2, Direct wire communication (short haul modem), AC power - Includes on site start up.	£24,476.41
RB-H5991501	WSPROPH2 PH SP: Automatic Weather Station PRO2, Phone communication, Solar power 10W. Includes on site start up.	£25,564.75
RB-H5992501	WSPRO2 SH SP: Automatic Weather Station PRO2, Direct wire communication (short haul modem), Solar power 10W. Includes on site start up.	£25,882.43
RB-H5993501	WSPRO2 NM S WL: Automatic Weather Station PRO2, Wireless communication, Solar power (10W). Delivered with Met One 034B-ETM Wind, RF422 868MHz radio kit and omni 824-896 MHz 3dB Fiberglass Omni Antenna - No modem - Includes on site start up. Installation not included	£26,853.44



# Weather Stations



WS-PRO-LT Weather Station

Product code	Description	Price
RB-V50026	WSPROLT SH: Weather station PRO LIGHT Hardwire communication (short haul modem)	£12,620.91
RB-V86976 <i>image A</i>	WSPROLT S WL: Weather station PRO LIGHT Wireless communication, Solar power (5W) - Delivered with RF422 868 MHz Radio kit and TW Mast Mounting - No modem and no battery.	£16,408.78

## Useful Accessories

Product code	Description	Price
RB-V05927A	Solar Panel	£857.70
RB-M61010 <i>image B</i>	Rain fall gauge (0.25 mm). This can be installed as a stand-alone device if you have a central control system. It would require a sensor decoder (not included)	£1,323.43
RB-M80302 <i>image C</i>	Anemometer; control your central control system. The anemometer can turn your irrigation system off if wind speed gets too high. It would require a sensor decoder (not included).	£3,511.90
RB-A61200 <i>image D</i>	Rain sensor. This is the standard rain sensor that can be connected to any irrigation controller that has sensor ports. It will turn the irrigation system off in the event of enough rain.	£37.75



Prices correct at the time of printing

## ▶ POGO Pro+

### Pogo Soil Measuring Device

The Pogo is a hand-held tool that measures soil moisture, temperature and salinity simply by poking the probe-end of the device into the soil; whether that's on your green, fairway or sports pitch.

- ▶ Use the Pogo to determine whether you need to irrigate, based on the soil moisture levels.
- ▶ Analyse variations within your turf surface to see whether soil moisture is the reason for the variations.
- ▶ You can even use the Pogo to determine when to apply fertiliser based on the salinity of the rootzone, and you can use the Pogo to accurately GPS anything on your property.
- ▶ Coupled with all of this, the Pogo is also a very accurate GPS receiver so it will record the exact location that you are testing and you can use it to record the position of each hole's cup placements for example. This can be a particularly handy tool. Imagine for example if you have an annual tournament coming up; you can fix the exact location of every pin on your course with last years' pin locations.
- ▶ You can also accurately determine the square metres of any given green so you can calculate exactly how much pesticide or fertiliser to apply.

Rigby Taylor have been working with POGO for over 4 years. Rigby Taylor staff nationally can support and train customers to get the best from the POGO system in Golf, Sports Turf and Stadia and also provides a UK based phone support line for customers who subscribe to the full POGO cloud package.



The probe end of the Pogo is constructed of three steel prongs; by sending out a small current, the Pogo can determine your soil moisture in the top 6cm of the rootzone, where most of your roots reside. There is an infrared temperature sensor built into the machine which reads the soil temperature via a depth-adjustable probe on the side of the Pogo.

Pogo connects to your smartphone via Bluetooth, so you can use your phone for all the data as well as your computer.

The combination of POGO Turfpro mobile App (a free download) and TurfPro Cloud (annual subscription) provides you with the complete recording and

## POGO Pro+

mapping package to optimise management of any turf surface. This system can also be used to record output from other devices such as Clegg hammer, traction meter, ball speed and infiltration meter. This can then be plotted as a colour map so you can easily determine what's happening in your turf, whether it's your golf greens or your sports pitch. Rather than just presenting raw data for you to interpret, the TurfPro Cloud analyses your data and presents it visually.



POGO is available as either a stand-alone POGO Pro+ meter/mobile App (handy if you already have one and just want to purchase another one), or in a package which includes the POGO Pro+ Meter/mobile App and POGO TurfPro Cloud account subscription. If this is your first Pogo then we suggest you purchase one of the starter packs because this ensures you get all the assistance you need to get up and running.

Product code	Description	Price
RT1699271	POGO Pro+ complete with temperature Probe. You will need the annual subscription on top of this price if it's your first one.	£2,396.00
RT1699272	POGO TurfPro Cloud annual subscription. This subscription must be renewed annually. You only need 1 subscription to operate multiple Pogo devices.	£1,150.00
1699283	POGO Pro+ Starter Package - includes 1 year subscription, set-up visit and install including ½ day staff training, 12 months UK phone support, follow up "Teams" call to optimise and check progress	£3,650.00
1699291	POGO Pro+ Starter Package - includes 2 year subscription, set-up visit & install including ½ day staff training, 12 months UK phone support, follow up "Teams" call to optimise and check progress	£4,500.00

## Soil Scout

### Wireless soil moisture sensing and monitoring

**Soil Scout** is an automatic soil moisture sensing system. It comprises a small sensor (which can sit in your palm) buried in the root zone of your turf. A typical system would have no less than 3 sensors and could have several dozen. Each sensor is wireless with a battery that can last up to 20 years. Each sensor relays information back to the base station every 20 minutes, every hour, every day. This information tells you the moisture content, temperature and salinity of your soil in an easily readable graphic display on your office computer.

By keeping tabs on the soil moisture so regularly, you will be able to easily see what is happening within your root zone. Most people with this system wait until the moisture reaches a pre-determined minimum before they initiate an irrigation cycle.



This system has huge benefits and can save you significant amounts of water (and therefore kilowatts), because you will only irrigate once you have checked that the soil moisture has dropped low enough to need irrigation. Any other method of determining when to irrigate is based on what is happening above-ground; not what is happening to your actual grass roots.

By reducing the frequency of irrigating you are also less likely to leach your expensive fertilisers away; the salinity recordings from the sensors will help you see when it is time to re-apply your feed, and will also help you see whether you are applying too much fertiliser in any given application.

You can have as many sensors as you like in the system. The more sensors, the more accurate your information will be. Measuring soil moisture in different parts of your golf course or sports pitch will help determine why you are having issues (such as dry patch or moss growth) in a certain spot, or whether your irrigation system is as accurate and uniform as you'd like it to be.

Soil Scout has an annual subscription which provides support and allows you to use their portal, which extrapolates the information.

## Soil Scout

Product code	Description	Price
1699296 <i>image A</i>	Soil Scout Hydra-100 sensor with 20 minute updates	£462.00
1699297 <i>image B</i>	Soil Scout Base Station (2G / 3G) plus antenna & 5 metre cable	£988.00
1699298 <i>image C</i>	Soil Scout ECHO 116 Repeater station (includes antenna); use this if you don't have good communication between the field sensor & the base station, or if the base station is a distance away	£799.00
1699299	Soil Scout annual subscription/ support & monitoring	£1,000.00

### Soil Scout Packages

To simplify matters you can purchase Soil Scout in a package. This contains all the inputs, including the antenna cables, etc. Then you can use the above prices if you want to further expand with extra sensors or Echo Repeater stations.

#### Sports Field Packages:

##### Football Package A

Includes 6 Soil Scout Hydra100 20-minute sensors, one base station bundle, and 12 months subscription **£4,610.00**

##### Football Package B

Includes 12 Soil Scout Hydra100 20-minute sensors, one base station bundle, one Echo repeater bundle, and 12 months subscription **£8,089.00**

##### Football Package C

Includes 18 Soil Scout Hydra100 20-minute sensors, one base station bundle, one Echo repeater bundle, and 12 months subscription **£11,010.00**

#### Golf Packages:

##### Golf Package Basic

Includes 6 Soil Scout Hydra100 20-minute sensors, one base station bundle, one Echo repeater bundle, and 12 months subscription **£5,315.00**

##### Golf Package Intermediate

Includes 18 Soil Scout Hydra100 20-minute sensors, one base station bundle, one Echo repeater bundle, and 12 months subscription **£11,010.00**

##### Golf Package Pro

Includes 36 Soil Scout Hydra100 20-minute sensors, one base station bundle, two Echo repeater bundles, and 12 months subscription **£20,480.00**



Prices correct at the time of printing

## ▶ PGA

This is the Rain Bird work-horse of commercial grade solenoid valves. Use these on large landscape projects, sports pitches, golf courses and other large irrigation systems where reliability matters, but at a realistic price. For standard irrigation controllers, including decoder controllers, use the 24vac option. For battery-operated timers that are not connected to mains power, use the 9 volt DC latching option.



Product code	24 VAC option for standard controllers	Price
RB-B31410	1" BSP female inlet /outlet Rainbird PGA Solenoid valve, complete with standard 24vac coil. Globe or angle.	£49.82
RB-B31510	1½" BSP female inlet /outlet Rainbird PGA Solenoid valve, complete with 24vac coil. Globe or angle.	£81.24
RB-B31610	2" BSP female inlet /outlet Rainbird PGA Solenoid valve, complete with 24vac coil. Globe or angle.	£114.35

Product code	9 Volt latching option for DC operated battery timers	Price
RB-B31440	1" BSP female inlet /outlet Rainbird PGA Solenoid valve, complete with 9 VOLT DC LATCHING coil. Globe or angle.	£73.55
RB-B31540	1½" BSP female inlet /outlet Rainbird PGA Solenoid valve, complete with 9 VOLT DC LATCHING coil. Globe or angle.	£103.41
RB-B31640	2" BSP female inlet /outlet Rainbird PGA Solenoid valve, complete with 9 VOLT DC LATCHING coil. Globe or angle.	£129.12

### Useful Accessories

Product code	Description	Price
RB-B33135	PRS-Dial Pressure regulator for solenoid valve. This connects on the valve below the solenoid coil.	£85.23
RB-L63000	King wire connector for maximum 2 wires at 2.5mm or 3 wires at 1.5mm thickness.	£1.33
RB-WC100	WCUL100 Wire connector for maximum 3 wires at 4mm thickness (2.5mm decoder cable). Use these for decoder systems.	£2.24
RB-MW9999	Wire stripper tool	£42.41
RB-236239	SOLASSG4 Replacement solenoid coil 24 vac for PGA & PEB solenoid valves.	£52.00
RB-K80920	K80920 Replacement 9 volt DC latching solenoid coil DV, PGA, PESB, PEB solenoid valves. Only use this for battery-operated systems	£36.55
RB-209792	Replacement diaphragm kit for 1" PGA solenoid valve	£29.84
RB-209675	Replacement diaphragm kit for 1½" PGA solenoid valve	£34.81
RB-209005	Replacement diaphragm kit for 2" PGA solenoid valve	£42.08

## ▶ PEB & PESB

The Rainbird PEB solenoid valve is the top-of-the-range solenoid valve for sports and golf irrigation applications. Constructed of glass filled nylon, it can withstand pressures up to 13.8 bar (200psi). Stainless steel studs are moulded into the body so if you need to remove the bonnet, the nuts won't fall out. It can also operate at a wider range of flow rates than other valves. If you have dirty water, choose the PESB model; it contains a scrubber which keeps the inlet water into the diaphragm clean via a small filter; the scrubber scrapes debris off this screen during operation to prevent these debris from clogging the filter and causing problems. If you're using mains water for your irrigation system then the PEB model will be perfect.



Product code	PEB Solenoid Valve Description	Price
RB-B34073	100PEB: Rain Bird 1" BSP female inlet/outlet, complete with standard 24vac coil	£88.59
RB-B34083	150PEB: Rain Bird 1½" BSP female inlet/outlet , complete with 24vac coil	£117.81
RB-B34093	200PEB: Rain Bird 2" BSP female inlet/outlet, complete with 24vac coil	£174.36

Product code	PESB Solenoid Valve Description	Price
RB-B37073	1" BSP Rain Bird PEB Solenoid valve, complete with patented inbuilt scrubber for dirty water applications	£186.01
RB-B37083	1½" BSP Rain Bird PEB Solenoid valve, complete with patented inbuilt scrubber for dirty water applications	£227.39
RB-B37102	2" BSP Rain Bird PEB Solenoid valve, complete with patented inbuilt scrubber for dirty water applications	£285.13
RB-B38213	3" BSP Brass female threaded valve w/ flow control & scrubber, 24V	£1,081.05

### Useful Accessories

Product code	Description	Price
RB-B33135	PRS Dial: Pressure regulator for solenoid valve; screws onto solenoid coil	£85.23
RB-WC100	WCUL100: Wire connector for maximum 3 wires at 4mm thickness (2.5mm decoder cable)	£2.24
RB-MW9999	WIRE STRIPPER: Wire stripper tool	£42.41
RB-236239	SOLASSG4: Replacement solenoid coil 24 vac for PGA & PEB solenoid valves	£52.00
RB-K80920	K80920: Replacement 9 volt DC latching solenoid coil DV, PGA, PESB, PEB solenoid valves	£36.55
RB-208143	DIAS1PEPRS: Replacement diaphragm kit for 1" PEB solenoid valve	£60.19
RB-236482	150PEDIBO: Replacement diaphragm and Bonnet assembly for 1½" PEB solenoid valve	£86.73
RB-236483	200PEDIBO: Replacement diaphragm & Bonnet assembly for 2" PEB solenoid valve	£100.18
RB-23648401	15PESBDIBO: Replacement diaphragm and Bonnet assembly for 1½" PESB solenoid valve	£153.82
RB-23648501	20PESBDIBO: Replacement diaphragm and Bonnet assembly for 2" PESB solenoid valve	£187.25

## ▶ PRS Dial

### Rain Bird PRS Dial: Solenoid Valve Pressure regulator

The Rain Bird PRS Dial screws directly onto your Rain Bird commercial grade solenoid valve; simply unscrew the solenoid coil, screw this into the hole it creates, and then screw the solenoid coil back into the top of it. This pressure regulator controls the downstream pressure that comes out of the solenoid valve, and you can adjust the pressure by simply twisting the dial. The PRS Dial pressure regulator fits on Rain Bird PGA and PEB solenoid valves. It does not fit on the smaller domestic grade valves such as the DV and HV valves. In many instances, especially on golf courses and sports pitches, individual control of a solenoid station's downstream pressure can have huge advantages. For starters it means that you can adjust each solenoid station's downstream pressure to match the sprinkler you are operating. For example on a green you might want 5 bar operating pressure for your Eagle rotors, but on your tees you would be better operating at around 3 bar for your Rain Bird 5004 pop-ups.

*Note:* The proper operation requires that the upstream (incoming) pressure needs to be no less than 1.04 bar higher than the desired outlet pressure.

Fits Solenoid valves: PGA, PEB, PESB.

Pressure regulation: 1.04 bar to 6.9 bar

Required incoming pressure: 1.04 bar higher than the required outlet pressure.

Product code	Description	Price
RB-B33135	PRS Dial Pressure regulator for PGA, PEB, PESB solenoid valves	£85.23



# Decoder & Multi-core Cable and Connectors

## Solenoid Control Cable

Solenoid Control Cable links the controller to the solenoid valves. In large irrigation systems such as golf courses or sports clubs with more than one pitch, decoder or IC systems are used. For both these systems the same 2.5mm twin core cable links all the solenoid valves and rotors to the controller.

For smaller landscape projects and single-pitch football systems it is generally more economic to use multi-core cable. Therefore we have listed both options on this page.

### Decoder & IC Cable for large irrigation systems

Product code	Description	Price
RB-MW0501	Rain Bird Blue System Cable 2 x 2.5mm <sup>2</sup> cable - 11mm diameter- 500 metre coil	£1,249.46
RB-MW0501/M	Rain Bird Blue System Cable 2 x 2.5mm <sup>2</sup> cable - 11mm diameter- sold per metre; minimum order 10 metres	£3.50/m
RB-WC100 <i>inset image</i>	DBRY style connector for Max 3 wires 4 mm <sup>2</sup> (600V max); use this for all decoder & IC cable joints)	£2.24



### Multi-Core Cable for landscape and single pitch systems

Multi-core cable, as the name implies, has several strands of cable that are each individually sheathed, all sheathed in turn into an overall sheath. For multi-cable systems you will need one more strand of cable than your quantity of solenoid valves; i.e. if you have 6 valves you'll need 7-core cable. The extra core is the common cable. Note that this is low-voltage cable and is only designed for 24vac solenoid valves.

Product code	Description	Price
RB-C03075	3 color-coded conductors, 75m drum.	£76.17
RB-C03150	3 color-coded conductors, 150m drum.	£152.33
RB-C05075	5 color-coded conductors, 75m drum.	£115.04
RB-C05150	5 color-coded conductors, 150m drum.	£230.07
RB-C07075	7 color-coded conductors, 75m drum.	£155.36
RB-C07150	7 color-coded conductors, 150m drum.	£310.72
RB-C09075	9 color-coded conductors, 75m drum.	£199.09
RB-C13075	13 color-coded conductors, 75m drum.	£267.47



### Accessories

Product code	Description	Price
MW9999 <i>image A</i>	Wire Stripper Tool; use this tool to strip the sheathing from the cable before inserting into the cable connector.	£42.41
RB-236632 <i>image B</i>	DBM10 Connector for Max 3 wires 1.5 mm <sup>2</sup> (600V max). You don't need to strip the sheath using these connectors. Perfect for the common cable connections.	£1.66
RB-L63000 <i>image C</i>	KING Connector for Max 2 wires 2.5 mm <sup>2</sup> or 3 wires 1.5 mm <sup>2</sup> (30V max)	£1.33



Prices correct at the time of printing

## ▶ Valve boxes for golf & sport

Hide all your solenoid valves, isolating valves and cable connections under the ground in valve boxes. These boxes are designed to take the weight of your machinery driving over them.

Our commercial grade Rain Bird valve boxes come complete with body & lid. If you need something deeper, use the appropriate extension. Replacement lids are listed overleaf.

Product code	Description	Price
RB-G11480	7" round reinforced valve box, 9" round base, 9" deep. Use this box for taps and hand-watering points.	£13.87
RB-G11450	10" round heavy-duty valve box, 13.7" round at the base, 10" high. Use this box for larger isolating valves and single 1" solenoid valves.	£19.98
RB-G11400	STANDARD heavy-duty valve box; 22" long x 16.6" wide, 12" deep. Use this box as a standard solenoid valve box for 1-2 valves; it is long enough to fit an isolating valve & manual watering point.	£34.96
RB-G11430	JUMBO heavy-duty valve box; 26" long x 20" wide x 12" deep. Use this box for 3 solenoid valves on a manifold and a manual watering point.	£55.80
RB-A61473	SUPER JUMBO heavy-duty valve box. Black body and green lid. 14 knock-outs. 2 hex bolts: 33" long x 23.6" wide x 17.7" deep. Use this box when you need a box that is deeper than the Jumbo.	£217.12
RB-A61483	MAXI JUMBO valve box. Black body and green lid with 2 hex bolts. 18 knock outs: 40.3" long x 27.1" wide x 18" deep. This is a gigantic box and is designed to hide some serious hardware underneath.	£391.14

7" ROUND



10" ROUND



STANDARD



JUMBO



SUPER JUMBO



STANDARD LID



Prices correct at the time of printing

## ▶ Valve boxes for golf & sport

### Valve Box Extensions

Use these to make your box deeper, for example when your pipe or valves are deeper. Extensions do not include a lid; they are designed to fit underneath the valve box (sold separately).

Product code	Description	Price
RB-A11420	STANDARD EXTENSION 6" deep; extension for the Standard heavy-duty valve box. Black body without lid. 20" long x 14.7" wide x 6.7" deep. Use this underneath a standard heavy-duty valve box to make it 6" deeper (total depth will become 18").	£28.00
RB-A11445	JUMBO EXTENSION 6" deep; extension for the Jumbo heavy-duty valve box. Black body without lid. 24.4" long x 17.9" deep x 6.7" wide. Use this underneath a Jumbo heavy-duty valve box to make it 6" deeper (total depth will become 18").	£41.36

### Valve Box Replacement Lids

Our valve boxes come with lids, but there are times when lids get lost, stolen or broken. Use these replacement lids.

Product code	Description	Price
RB-A11454	VB10RNDL Replacement lid for the VB10 round valve box.	£13.26
RB-A11404	VBSTD L Replacement lid for Standard heavy duty rectangular valve box	£18.96
RB-A11434	VBJMBL Replacement lid for Jumbo heavy duty rectangular valve box	£33.38



Prices correct at the time of printing

# Large Capacity Filters

## Inline filters to protect your irrigation system

For pipelines diameters 1", 1½" and 2", use these filters to protect your sprinklers and solenoid valves from debris. Screen filter elements are best for solid debris such as grit, while disc filter elements are better for organic debris such as slime and insect larvae that you'd get when you extract from a pond (these will clog a screen filter). These Rain Bird filters are designed for landscape and sports irrigation systems and one should be installed in every system to protect your hardware from debris.

Product code	Description	Price
RB-X14610	1" BSP Large Capacity SCREEN filter	£10.18
RB-X14611	1" BSP Large Capacity DISC filter	£15.92
RB-X14612	1½" BSP Large Capacity SCREEN filter	£30.29
RB-X14613	1½" BSP Large Capacity DISC filter	£37.94
RB-X14614	2" BSP Large Capacity SCREEN filter	£32.59
RB-X14615	2" BSP Large Capacity DISC filter hardware underneath.	£42.77

## Replacement Screens & Discs

Product code	Description	Price
RB-X14618	130-micron SCREEN replacement cartridge for 1½" and 2" filter	£11.27
RB-X14619	130-micron DISC replacement cartridge for 1½" and 2" filter	£25.49



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