

NEW



Landscape Irrigation Products



Nationwide Delivery • 16,000+ Product Lines • Extensive Stockholding • Expert Team



Green-tech is the UK's largest landscaping supplier; we provide professional grade landscaping materials and wholesale garden supplies for landscape contractors, architects, designers and landowners.

Green-tech stocks over 16,000 landscape essentials however, we are now proud to introduce RainBird landscape irrigation systems to our extensive product range.

RainBird is a leading global manufacturer and provider of irrigation products and services who produce irrigation solutions for farms, golf courses, sports arenas, commercial developments and homes in more than 130 countries worldwide.

Green-tech and RainBird have come together to supply the landscaping industry with an expansive collection of irrigation products from sprinklers to hand watering and controllers to filters. All products are suitable for both small and large scale landscaping applications; we are here to help you select the most suitable RainBird irrigation products unique to your project.

Our experienced and dedicated sales team is on hand Monday to Friday 8am – 5.30pm

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www.green-tech.co.uk

2 For more information please call **01423 332 100**

CONTENTS

Article: The Tap Test	4	Valves & Valve Boxes	31
Drip & Sprinklers	5	Valves	31
Dripline	5	Solenoid Valves	32
Dripline and Garden Tube Fittings	6	Solenoid Valve, Dial and Regulator	33
Article: How to install dripline irrigation	8	Solenoid Manifolds 1200 Series	34
Garden Drip Emitters	9	Solenoid Manifolds 1300 Series	35
Rootzone Water System (RWS)	10	Valve Boxes	36
Microsprinklers	12	Pipe & Fittings	37
1800 Series Spray Bodies	13	Irrigation Pipe	37
R-Van Rotary Nozzles	14	Hansen Nyglass Threaded Fittings	38
Article: Calculating how many R-Van Sprinklers can be operated on a system at once	15	GF+ Compression Fittings for PE Pipe	39
Van Spray Nozzles	16	GF+ Saddles for PE Pipe	40
Bubblers and PCT Emitters	17	Hand Watering	41
Impact Sprinklers and 3500 Series	18	Hoses, Reels and Clamps	41
5000 Series Rotor	19	Impact Sprinklers and Sprinkler Stands	42
6504 and 8005 Series	20	Brass Quick Connect Hose Fittings	43
Article: Obtaining good sprinkler coverage	21	Filtration	45
Swing Joints	22	Filters	45
Tools and Accessories	23	Pressure Regulating Filters	46
Impact Guns	24	Pumps & Accessories	47
Controllers & Decoders	25	Dewatering and Sump Pumps	47
Timers and Controllers	25	Irrigation Pumps and Accessories	48
Controllers	26	Pond Pumps	50
Controllers and Decoders	28	Water Storage	51
Decoders, Hardware and Weather Sensors	29	Water Storage Tanks	51
Solenoid Control Cables	30	Water Storage Tank Accessories	52
		Article: Determining the volume of water storage required	53
		Pond Fountains and Aerators	54

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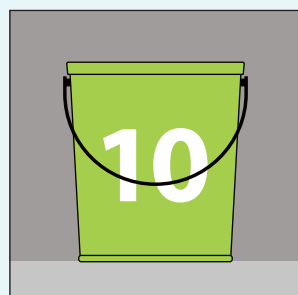
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The Tap Test

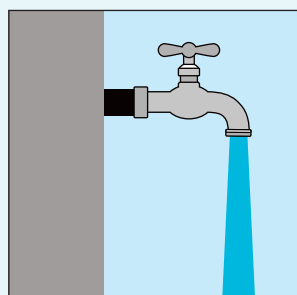
Before you plan your new watering system, it is important to determine how much water is available from your garden tap – this is called your ‘available flow rate’.

If too many sprinklers are operating at once, compared with the volume of water available, the sprinklers won’t work efficiently. A quick tap test will help establish how much can be operated at once. You can then divide your gardens and lawns into sub areas, if required, and water each on its own, keeping within your available flow rate.

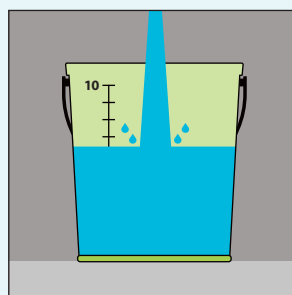
How to perform a tap test:



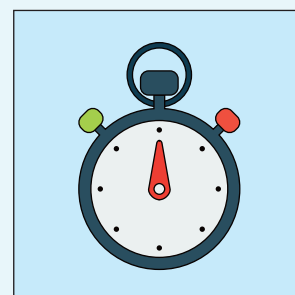
1. Find a bucket – preferably a 10-litre bucket.



2. Turn your garden tap on fully.



3. Place the bucket under the tap and time how long it takes, in seconds, to fill the bucket to the 10-litre mark.



4. Mark down the seconds taken to fill.

Calculating your Available Flow Rate:

Time taken to fill a 10-litre bucket	Flow Rate	Available Flow Rate*
5 seconds	7200 litres/hour	5760 litres/hour
10 seconds	3600 litres/hour	2880 litre/hour
15 seconds	2400 litres/hour	1920 litres/hour
20 seconds	1800 litres/hour	1440 litres/hour
25 seconds	1440 litres/hour	1150 litres/hour
30 seconds	1200 litres/hour	960 litres/hour
35 seconds	1030 litres/hour	825 litres/hour
40 seconds	900 litres/hour	720 litres/hour

Example:

If your tap test took 22 seconds, choose a number midway between 1440 and 1150 litres/hour. So, your Available Flow Rate will therefore be around 1300 litres/hour.

*Note that Available Flow Rate takes into consideration that your garden watering system requires some back pressure, whereas water flooding out of a garden tap does not.



DRIPLINE

An effective and non-disruptive irrigation method for installation within garden beds.

Driplines are coiled, brown poly tubes with an extruded 'knuckle' every 30cm, designed to be a pressure-compensating labyrinth. A miniscule hole is located every millimetre, from which water emerges. Driplines are pressure-compensating (PC), meaning that every drip emitter down the coil will only emit the specified amount of water (1.6 – 2.3 litres/hour, model dependant), regardless of the pressure or location of the pipe.



XFD ON-SURFACE DRIPLINE

An irrigation line to be laid on the surface of your garden bed which can be covered with mulch but not buried.

RainBird Ref	Description	Price
XFD16 33 100	XFD Dripline (100m coil), 33cm emitter spacing, 1.6 lph per emitter	£120.65
XFD23 33 50	XFD Dripline (50m coil), 33cm emitter spacing, 2.3 lph per emitter	£63.02
XFD23 33 100	XFD Dripline (100m coil), 33cm emitter spacing, 2.3 lph per emitter	£120.65

XFS SUBSURFACE DRIPLINE

A buriable irrigation line with copper technology within each emitter, this prevents plant roots from intruding and blocking the system.

RainBird Ref	Description	Price
XFS16 33 100	XFS Subsurface Dripline (100m coil), 33cm emitter spacing, 1.6lph per emitter	£173.62
XFS23 33 100	XFS Subsurface Dripline (100m coil), 33cm emitter spacing, 2.3 lph per emitter	£173.62



BLANK TUBING

Tubing which is used to join the Dripline where emitters are not wanted or required. For example, from the solenoid valve across to the systems starting point within the garden.

RainBird Ref	Description	Price
DBL100	XDBL100 16mm Blank Tubing (100m) coil in Black	£69.20

QF DRIPLINE HEADER PIPE

A quick and flexible solution to Dripline Headers. This component is used to join several lines of Dripline into one header pipe which is then connected to the solenoid valve or tap.

RainBird Ref	Description	Price
XQF7512100	QF Header 30m, 30cm between row connections, 3/4" outside diameter	£229.66
XQF7518100	QF Header 30m, 45cm between row connections, 3/4" outside diameter	£214.25








DRIPLINE AND GARDEN TUBE FITTINGS

A range of barbed insert fittings for Dripline applications.



BARBED INSERT FITTINGS

A simple to install fitting, featuring double barbs to help hold them inside the Dripline tube.

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	XFF COUP	17mm Barbed Connector	35p		CLAMP	Clamp for Tubing – holds tube and fitting together under pressure	33p
	XFF ELBOW	17mm Barbed Plain Elbow	52p		C12	Tie-down Stake for Tubing (1 every metre of Dripline approximately)	41p
	XFF TEE	17mm Barbed Plain Tee	63p		700CF22	Tubing End-closure (use on end of each Dripline run); ideal for flushing the system out each season	31p
	XFF MA050	17mm tube x 1/2" BSP Barbed Male Adapter	56p		FITTINGSTOOL	XFF Fittings Insertion Tool	£4.40
	XFF MA075	17mm tube x 3/4" BSP Barbed Male Adapter	62p				
	XFF TMA050	17mm tube both sides x 1/2" BSP offtake Barbed Tee x Male Adapter	85p		PPC200X	Tubing Cutter	£40.01

DRIPLINE AND GARDEN TUBE FITTINGS

A range of lock-type fittings for Dripline applications.



LOCK-TYPE FITTINGS

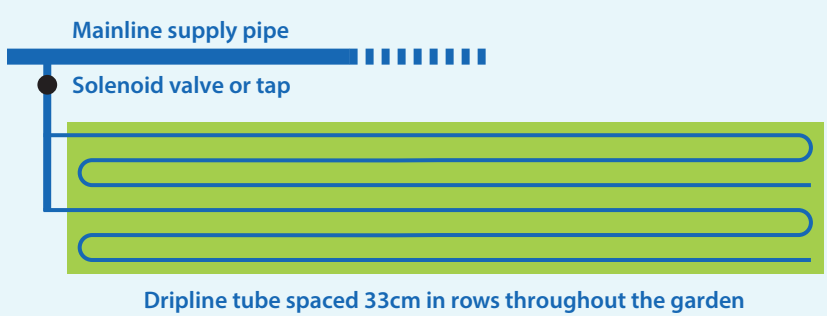
A durable and reliable fitting which features its own locking mechanism.

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	BF12 Lock	Lock Type Plain Joiner – to join multiple Dripline tubes together	£1.05		BF6250 Lock	16mm Lock Type Female Threaded Adaptor 1/2"	£1.74
	BF22 Lock	Lock Type Plain Elbow – standard elbow	£1.64		BF6275 Lock	16mm Lock Type Female Threaded Adaptor 3/4"	£1.74
	BF32 Lock	Lock Type Plain Tee – standard tee	£2.11		BF Plug Lock	Lock Type End-plug for 16mm Tubing	81p
	BF8250 Lock	16mm Lock Type Male Threaded Adaptor 1/2"	72p		BF92 Lock	Lock Type Manual Valve – insert directly into tube to turn line on or off	£2.49
	BF8275 Lock	16mm Lock Type Male Threaded Adaptor 3/4"	68p		BF Valve Lock	Lock Type Manual Valve with 3/4" Male Thread One End	£2.11

How to install dripline irrigation and calculate how much water you will need

How to install a Dripline Irrigation System

The most recognised and effective way to install dripline irrigation system, is to lay out evenly spaced rows across the surface of the garden. We recommend rows 33cm apart (3 rows per metre width of garden). The dripline will, usually, have drip emitters 33cm apart along the roll, allowing for an even coverage in all directions. Any given plant will only have a short distance to grow its roots to find a wet area from the nearest drip emitter.



Example 1:
 This garden is 10m long and 2m wide, with 6 rows of dripline 33cm apart.
Total amount used (10m x 6) = 60 lineal metres

Dripline tube spaced 33cm in rows throughout the garden

How to determine Flow Rate of the Dripline Station

The below table showcases the Flow Rate per metre of the dripline installed. To determine flow rate, multiply total metres of dripline used by one of the following:

Dripline model (emitter spacing and flow rate)	Flow rate in litres per hour per metre of dripline	Flow rate in litres per hour per 100 lineal metres
33cm @ 1.6 lph	5 lph/metre	500 lph/100 metres
33cm @ 2.3 lph <i>(our recommendation for most applications)</i>	7 lph/metre	700 lph/100 lineal metres
40cm @ 2.3 lph	5.8 lph/metre	580 lph/100 metres
50cm @ 2.3 lph	4.6 lph/metre	460 lph/100 metres

Example 2:
 Using Example 1, with 60 lineal metres of dripline, using the 33cm @ 2.3 lph model, the **Flow Rate** the garden will need is 60 metres x 7 lph/metre = 420 litres per hour.

Determine how much Dripline your project needs

1. Roughly determine the area in square metres of each individual garden.
 For triangular gardens, multiply length x width and then halve it.
2. Add up the cumulative area of all the gardens using this method.
 This tells you the total area you will need to irrigate. This is your **Total Garden Area** (in square metres).
3. To calculate the **Length of Dripline**, multiply the total area x 3 to get the total length of dripline you'll need in metres.
4. To calculate the **Flow Rate**, multiply the above **Length of Dripline** x 7 to get the total required flow rate you'll need in litres/hour.

Example 3:

Garden A: 5 x 7 metres	35m ²
Garden B: 3 x 6 metres	18m ²
Garden C: 20 x 0.5 metres	10m ²
Total Garden Area	63m²

Therefore...
 The **Length of Dripline** required is approximately 63 x 3 = 189 metres (round up to 2 rolls of 100 metres)
 The **Flow Rate** required is approximately 189 x 7 = 1,323 litres/hour

See page 4 for details of how to calculate your Available Flow Rate using the Tap Test

GARDEN DRIP EMITTERS

Used to irrigate individual plants, trees and pots in gardens and landscape environments.



PRESSURE-COMPENSATING (PC) XERI-BUG™ EMITTERS

Ensures each dripper installed within your irrigation system precisely delivers the amount of water your plant needs, regardless of water pressure. PC drip emitters come with a hypodermic barbed inlet which pierces the 16mm tube, making them quick and easy to install.

RainBird Ref	Description	Price
XB05PC	2 litre/hour pressure-compensating barbed emitter (blue)	31p
XB10PC	4 litre/hour pressure-compensating barbed emitter (black)	31p
XB20PC	8 litre/hour pressure-compensating barbed emitter (red)	31p




PRESSURE-COMPENSATING LOW FLOW BUBBLER

Bubblers enable large amounts of water to be delivered to confined spaces. For example, at the base of a tree. They feature ½" BSP female inlets which can be installed onto a ½" threaded riser pipe for support.

RainBird Ref	Description	Price
PCT-05	19 litres/hour ½" BSP female BC bubbler	£3.18
PCT-07	26 litres/hour ½" BSP female BC bubbler	£3.18
PCT-10	38 litres/hour ½" BSP female BC bubbler	£3.18

ACCESSORIES

	RainBird Ref	Description	Price
	XBD81	8-outlet Emission Device A multi-outlet device to attached onto a ½" riser pipe. It houses up to 8 Xeri-Bug emitters or PC modules within its lid which can run 6mm tubing off for each plant. It contains a 75 micron built-in filter and can be paired with different emitter flow rates to suit your project requirements.	£21.69



BARBED DRIPPERS FOR LARGER FLOW RATES

These drip emitters are designed for use on larger trees and plants where a higher flow rate is required. PC drip emitters are quick and easy to install as they come with a hypodermic barbed inlet which pierces the 16mm tube.



RainBird Ref	Description	Price
PC12	45 litres/hour pressure-compensating barbed emitter (brown)	£1.67
PC18	68 litres/hour pressure-compensating barbed emitter (white)	£1.67



PRESSURE-COMPENSATING MULTI-OUTLET XERI-BUG EMITTER

A 6-outlet pressure-compensating emitter with a barbed inlet. Although 1-outlet comes open, the others can be opened by clipping the tops off as required. This component is suitable for irrigating a plant at multiple points or potted plants.

RainBird Ref	Description	Price
XB-10-6	6-outlet emitter – 4 litres per hour	£7.05

	RainBird Ref	Description	Price
	TS-025	Tubing Stake A stake to stabilise a 6mm tube and emitter.	71p
	XM-TOOL	Xeri-Man Emitter Insertion Tool Punches holes into irrigation pipes to insert drippers. Can also remove a dripper or emitter and place a plug to fill the resultant hole.	£4.81

ROOTZONE WATERING SYSTEM (RWS)

A smart method for tree and shrub irrigation below the ground where above-ground systems could be damaged.

The Rootzone Watering System (RWS) ensures water is provided quickly and efficiently through the soil profile to the tree's roots. It achieves this by using a Bubbler emitter inside a perforated plastic canister; this enables the water to percolate out the tube to irrigate within the soil profile. From the surface, water is not visible, cannot be lost in windy conditions and enables soil aeration as the water travels through the soil. This system also removes the potential threat of pathways becoming wet and slippery.



RWSBGX

91cm x 10cm diameter canister.

This model is most suitable for large trees where water is needed to reach all the way through the rootzone. RWSBGX features a 57 litre per hour Bubbler pre-installed inside the unit to manage large watering projects and scenarios.



RWSMBG

45cm x 10cm diameter canister.

This model is perfect for smaller trees and shrubs where the root mass is not as large. RWSMBG has a 57 litre per hour Bubbler pre-installed inside it to manage smaller watering projects with high demand.



RWSSBG

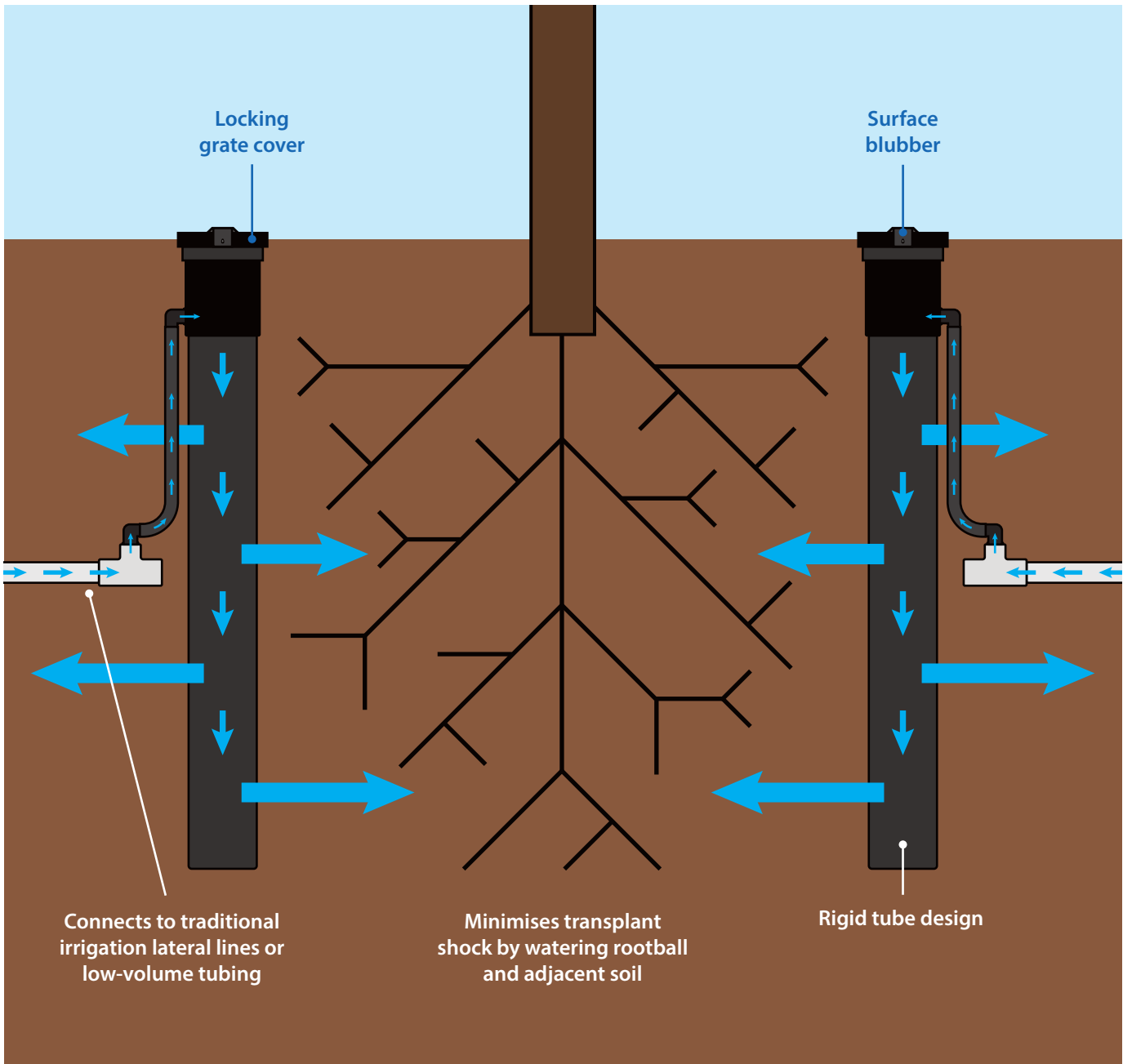
25cm x 5cm diameter canister.

This model is ideal for small shrubs and special plants that require direct rootzone irrigation. RWSSBG has a 57 litre per hour Bubbler pre-installed inside it to handle smaller watering projects for direct watering demands.

RainBird Ref	Description	Price
RWSBGX	RWS-PC Bubbler, 91cm deep x 10cm wide c/w 1401 Bubbler on a riser (57 lph), includes a 1/2" swing joint	£52.15
RWSMBG	RWS Mini c/w PC Bubbler, 45cm deep x 10cm wide c/w 1401 Bubbler on a riser (57 lph), includes a 1/2" spiral elbow	£35.41
RWSSBG	RWS Supplemental Shrub-PC Bubbler, 25cm deep x 5cm wide c/w 1404 Bubbler on a riser (57 lph), includes a 1/2" spiral elbow	£21.52

10 For more information please call **01423 332 100**

ROOTZONE WATERING SYSTEM (RWS)



MICROSPRINKLERS

A staked sprinkler which jets water further afield. They are used to irrigate gardens for an overall throw of water over a larger space.

Microsprinklers can be connected to 16mm blank tubing to irrigate an expanse of garden or land. They're often supplied on a stake or require a stake to underprop from the ground for the best results.



SXB/XS ON SPIKE: ADJUSTABLE FLOW MICROSPRINKLER ON SPIKE

A popular microsprinkler for watering individual large plants or potted plants; providing excellent root growth and good surface watering. Both models are accompanied with their own 12cm spike complete with 6mm barbed joiner. This microsprinkler can be connected to the irrigation tube using 6mm tubing.

These adjustable microsprinklers are ready to install easily and efficiently for shrub planting, trees and flower containers.

RainBird Ref	Description	Price
XS360TSSPYK	Adjustable flow FAN coverage microsprinkler c/w 12cm spike Produces fan coverage up to 2 metres	£1.13
SXB360SPYK	Adjustable flow 'spider's legs' microsprinkler c/w 12cm spike Produces fan coverage up to ½m radius	84p



JET SPIKE ADJUSTABLE FLOW SPRAY: WITH STAKE, RISER AND TUBE

A cost-effective sprinkler for watering small plants and annuals. This product is complete on a 30cm stake, includes a 20cm rigid riser (extendable to 51cm) and 50cm of 6mm tubing with a 6mm barbed connection ready for installation within a thin-walled irrigation pipe.

RainBird Ref	Description	Price
Jet Spike 90°	¼ circle microspray on 30cm stake c/w rigid riser and 50cm tube. For use in corners of gardens or planters	£3.63
Jet Spike 90°	½ circle microspray on 30cm stake c/w rigid riser and 50cm tube. For use along garden edges or the side of a planter	£3.63
Jet Spike 90°	Full circle microspray on 30cm stake c/w rigid riser and 50cm tube. For use in the middle of a garden – please be aware of over-throw (wetting paths and/or buildings)	£3.63

ACCESSORIES

	RainBird Ref	Description	Price
	BF1	Micro Tubing Barb Connector	22p
	BF2	Micro Tubing Barb Elbow	30p

	RainBird Ref	Description	Price
	BF3	Micro Tubing Barb Tee	29p
	EMAGPX	Tubing Goof Plug – to plug unwanted holes in tubing	16p

1800 SERIES SPRAY BODIES

A reliable, heavy-duty and versatile spray body, the 1800 Series offers a broad selection of pop up heights and nozzle combinations for small lawns, irregular planting areas and shrub watering.

The 1800 Series features a patented pop-up mechanism with a heavy-duty, stainless steel spring for dependable out-of-sight retraction, plus an exclusive triple blade wiper seal for unmatched resistance to grit, pressure and extreme environments.



STANDARD 1800 SERIES POP-UP BODY

1800 Series spray heads contain an ½" BSP female inlet at the bottom. The two larger riser heights have an alternative inlet on the side of the body to join a sprinkler to the pipe without any digging.

Suitable to be installed in parks and backyards. It is a reliable, heavy-duty product with a durable steel spring for dependable out-of-sight retraction, plus an exclusive co-moulded wiper seal for unmatched resistance to grit, pressure and extreme environments.

RB Ref	Description	Price
PA8S	½" female threaded adapter for use on top of ½" threaded riser pipes	£3.26
1804	1800 Series Pop-up Body with 4" riser height	£3.56
1806	1800 Series Pop-up Body with 6" riser height	£11.76
1812	1800 Series Pop-up Body with 12" riser height	£18.53

1800 SERIES BODY WITH SAM (SEAL-A-MATIC) CHECK VALVE

The 1800 Series paired with an anti-drain check valve and pressure regulator which holds water up to 4.2 metres of elevation. This component ensures that no sprinklers at low points can weep after being turned off.

The built in Seal-A-Matic (SAM) check valve eliminates the need for under-the-head check valves. Most ideal for applications with changing elevations as it traps water in lateral pipes to avoid water waste for landscape damage.


RB Ref	Description	Price
1804SAM	1800 Series Pop Body with 4" riser height and SAM anti-drain check valve	£7.32
1806SAM	1800 Series Pop Body with 6" riser height and SAM anti-drain check valve	£17.95
1812SAM	1800 Series Pop Body with 12" riser height and SAM anti-drain check valve	£22.01

RD1800 SERIES BODY WITH CHECK VALVE AND PRESSURE REGULATOR

An inbuilt pressure regulator which maintains your system and ensures every sprinkler is running at the correct pressure.

RB Ref	Description	Price
RD 04S P30 F	1800 Series Pop Body with 4" riser height, SAM anti-drain check valve, in-built pressure regulation to 2.1 Bar (30psi; suitable for spray nozzles)	£15.53
RD 04 S P45 F	1800 Series Pop Body with 4" riser height, SAM anti-drain check valve, in-built pressure regulation to 3.1 Bar (45psi; suitable for R-VAN rotary nozzles)	£15.53
RD 06 S P30 F	1800 Series Pop Body with 6" riser height, SAM anti-drain check valve, in-built pressure regulation to 2.1 Bar (30psi; suitable for spray nozzles)	£21.64
RD 12 S P30 F	1800 Series Pop Body with 12" riser height, SAM anti-drain check valve, in-built pressure regulation to 2.1 Bar (30psi; suitable for spray nozzles)	£28.80

ACCESSORIES

	RainBird Ref	Description	Price
	1800EXT	6" Riser Extension	£7.14



R-VAN ROTARY NOZZLES

A rotary nozzle with matched precipitation, throwing 4-8 metres radius.

The R-VAN rotary nozzle screws into an 1800 Series Pop-up Body*. This nozzle uses a low amount of water to irrigate large areas, at a similar rate to natural precipitation regardless of circle nozzle size. It provides a uniform coverage across the entire area.

PART-CIRCLE MODELS

	RainBird Ref	Description	Price
	RVAN14	Variable arc rotary sprinkler 2.4 – 4.6m radius 45° – 270° arc Light blue body colour, black beneath	£7.35
	RVAN18	Variable arc rotary sprinkler 4.0 – 5.5m radius 45° – 270° arc Light brown body colour, black beneath	£7.35
	RVAN24	Variable arc rotary sprinkler 5.2 – 7.3m radius 45° – 270° arc Maroon body colour, black beneath	£7.35

FULL-CIRCLE MODELS

	RainBird Ref	Description	Price
	RVAN14360	Fixed arc rotary sprinkler 2.4 – 4.6m radius 360° arc full circle only Light blue all over	£7.35
	RVAN18360	Fixed arc rotary sprinkler 4.0 – 5.5m radius 360° arc full circle only Light brown all over	£7.35
	RVAN24360	Fixed arc rotary sprinkler 5.2 – 7.3m radius 360° arc full circle only Maroon all over	£7.35

STRIP MODELS

	RainBird Ref	Description	Price
	RVANLCS	Fixed arc rotary left corner strip sprinkler 1.5m (w) x 4.6m (left) Light grey body colour, black beneath	£7.35
	RVANRCS	Fixed arc rotary right corner strip sprinkler 1.5m (w) x 4.6m (right) Dark grey body colour, black beneath	£7.35
	RVANSST	Fixed arc rotary side strip sprinkler 1.5m (w) x 9.1m (4.55m left and 4.55m right) Black all over	£7.35

ACCESSORIES

	RainBird Ref	Description	Price
	PA8S	RainBird PA-8S 1/2" Female Threaded Adaptor. Connects to a 1/2" riser pipe which allows the R-VAN to screw into it for use in garden and landscape projects.	£3.26



*Sold separately. Please note – R-VAN is a nozzle only. It needs to be installed into a body for it to work.

Calculating how many R-Van Sprinklers can be operated on a system at once using the 'Equivalent Full Circles' method

The R-Van sprinklers mirror natural precipitation into its watering volume and pattern. Meaning that each sprinkler will apply the same millimetres of water onto the lawn surface regardless of the sizing or position of the sprinkler.

To calculate the flow rate of a group of R-Van sprinklers, you need to establish the flow rate from each sprinkler's coverage of throw and add them together.

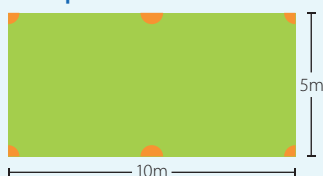
1 x R-VAN Full-Circle Sprinkler is equivalent to:	2 x ½ Circle Sprinklers
	4 x ¼ Circle Sprinklers
	1 x ¾ Circle Sprinkler and 1 x ¼ Circle Sprinkler Combined
	2 x ¼ Circle Sprinklers and 1 x ½ Circle Sprinkler Combined

If you add up all the quarters and halves of the station, this is the same as the flow rate from the equivalent number of full-circle sprinklers. Using this method, all you need to remember is the flow rate of the full circle sprinklers:

Model	Maximum distance apart to have the sprinklers	Flow rate per Full-Circle sprinkler
R-Van 14	up to 4.6 metres between sprinklers	4.8 litres/minute (288 litres/hour)
R-Van 18	up to 5.5 metres between sprinklers	7 litres/minute (420 litres/hour)
R-Van 24	up to 7.3 metres between sprinklers	13.2 litres/minute (792 litres/hour)

Sprinklers are placed on the perimeters, opposite another sprinkler and throwing inwards to allow the same coverage and water volume across the entire lawn. For advice and the most suitable model for your project, please contact your Technical Sales Advisor.

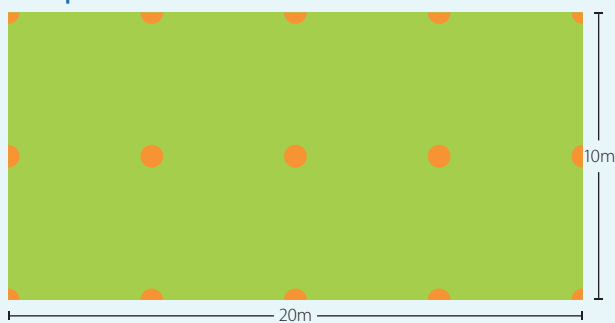
Example 1



Example 1

- 4 x ¼ circle R-Van 18s in corners = 1 full circle
 - 2 x ½ circle R-Van 18s on long edge = 1 full circle
- 1 + 1 = 2 R-Van 18 full circles
- Total flow rate: 2 x 7 litres/minute = 14 litres/minute**

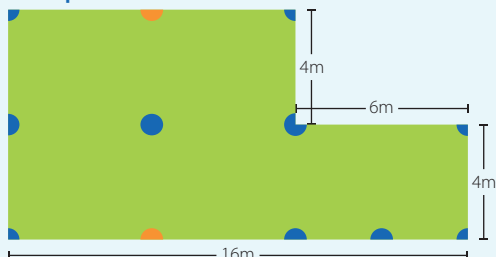
Example 2



Example 2

- 4 x ¼ circle R-Van 18s in corners = 1 full circle
 - 8 x ½ circle R-Van 18s on perimeters = 4 full circles
 - 3 x full circle R-Van 18s in the middle = 3 full circles
- 1 + 4 + 3 = 8 R-Van 18 full circles
- Total flow rate: 8 x 7 litres/minute = 56 litres/minute**

Example 3



Example 3

- 5 x ¼ circle R-Van 14s in corners = 1.25 full circles
 - 3 x ½ circle R-Van 14s on the perimeters = 1.5 full circles
 - 1 x ¾ circle R-Van 14s on inner corner = 0.75 full circles
 - 1 x full circle R-Van 14 in the middle = 1 full circles
 - 2 x ½ circle R-Van 18 on perimeters = 1 full circles
- 1.25 + 1.5 + 0.75 + 1 = 4.5 R-Van 14 full circles
- Total flow rate = 4.5 x 4.8 litres/minute = 21.6 litres/minute
- 1 R-Van 18 full circle
- Total flow rate = 1 x 7 litres/minute = 7 litres/minute
- Total overall flow rate:**
- 21.6 + 7 litres/minute = 28.6 litres/minute**

VAN SPRAY NOZZLES

Ideal for irregular shaped corners, small grassed areas around pavements and driveways as well as flowerbeds and/or shrubs.

Adjustable nozzles which can be altered to the exact pattern of your lawn by twisting the side of the nozzle. This model suits how far you want the sprinkler to throw, the whole range covers from 0.9m to 5.5m radius.



ADJUSTABLE MODELS

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	4VAN	Adjustable arc spray nozzle throwing 0.9m to 1.2m radius Yellow	£2.26		12VAN	Adjustable arc spray nozzle throwing 2.7m to 3.7m radius Brown	£2.26
	6VAN	Adjustable arc spray nozzle throwing 1.2m to 1.8m radius Orange	£2.26		15VAN	Adjustable arc spray nozzle throwing 3.4m to 4.6m radius Black	£2.26
	8VAN	Adjustable arc spray nozzle throwing 1.8m to 2.4m radius Green	£2.26		18VAN	Adjustable arc spray nozzle throwing 4.3m to 5.5m radius Light Brown	£2.26
	10VAN	Adjustable arc spray nozzle throwing 2.1m to 3.1m radius Blue	£2.26	<p>High efficiency variable arc nozzles also available. Please contact your Technical Sales Advisor for more information.</p>			

BUBBLERS AND PCT EMITTERS



RAINBIRD BUBBLERS: 1400 SERIES PRESSURE-COMPENSATING BUBBLERS

Designed to screw into the top of any RainBird spray body. Bubblers provide a slow percolation of water, perfect for irrigating trees in urban environments. The pressure-compensation enables the flow rate to maintain a good level without fluctuations, giving more accuracy in large irrigation systems.

RainBird Ref	Description	Price
1401	1401 Bubbler 1.2 litres/minute (72 litres/hour), full circle, trickle pattern	£11.93
1402	1402 Bubbler 1.8 litres/minute (108 litres/hour), full circle, trickle pattern	£11.93
1404	1404 Bubbler 3.6 litres/minute (216 litres/hour), full circle, trickle pattern	£11.93
1408	1408 Bubbler 7.2 litres/minute (430 litres/hour), full circle, trickle pattern	£11.93

RAINBIRD PCT EMITTERS

Pressure-compensating threaded emitters for irrigating larger trees and pots where several emitters are needed to work on the same station. With a higher flow rate than most drippers but considerably less than bubblers, these emitters feature a ½" threaded inlet and can be connected onto a pop-up body or threaded riser.

The colour coded caps distinguish different flow rates easily; light brown = 5gph, violet = 7gph, green = 10gph.

RainBird Ref	Description	Price
PCT05	Light brown emitter, 19 litres/hour flow rate, 0.7 to 3.5 bar pressure	£3.18
PCT07	Violet emitter, 26 litres/hour flow rate, 0.7 to 3.5 bar pressure	£3.18
PCT10	Green emitter, 38 litres/hour flow rate, 0.7 to 3.5 bar pressure	£3.18



IMPACT SPRINKLERS AND 3500 SERIES



RAINBIRD POP-UP IMPACT SPRINKLER FOR THROW 6 – 13m RADIUS

An impact sprinkler in a pop-up body. This model is powerful and offers superior watering with uniform water distribution. With a slick flow design, the Maxi-Paw conserves water pressure, is ideal for dirty water applications and is extremely dependable.

Features

- Proven impact drive with straight-through flow
- Precipitation rate: 0.28 – 1.21"/hr (7 • 31mm/hr)
- Radius: 22 – 45 feet
- Pressure: 25 – 60 psi
- Flow rate: 1.5 – 8.4 GPM (0.34 – 1.91m³/h; 0.9 – 0.53 l/s)

RainBird Ref	Description	Price
N/A	Maxi-Paw Full/Part circle pop-up impact sprinkler – comes with No.8 nozzle pre-installed. Combination ½" or ¾" bottom inlet	£47.44
N/A	Replacement Standard Nozzles: No.6 Red, No.7 Black, No.8 Blue, No.10 Yellow, No.12 Beige	FOC
N/A	Replacement Low Angle Nozzles: No.07 Black, No.10 Yellow	FOC

ACCESSORIES

	RB Ref	Description	Price
	N/A	Maxi-Paw Sprinkler Wrench – used to remove the sprinkler from the body.	£40.77



RAINBIRD 3500 SERIES ROTOR

A gear-driven rotor for 5m to 10m wide lawns. The 3500 Series has a low flow rate, is easy to use, convenient and extremely value for residential applications. Featuring a flat-bladed screwdriver, attachable nozzle tree with six superior performing Rain Curtain nozzles, and full and part-circle orientation in the one unit – the nozzles filter screen is easily removable.

Features

- Oversized wiper seal prevents leaks and protects internals from debris
- Precipitation rate: 0.37 – 0.83"/hr (9 to 21mm/hr)
- Radius: 15 – 35 feet
- Pressure: 25 – 55 psi
- Flow rate: 0.54 – 4.5 GPM (2.0 – 17.4 l/m)

RainBird Ref	Description	Price
3504PC	Pop-up Sprinkler with 4" plastic riser – adjustable arc (40-360°), ½" BSP female inlet, complete with nozzles	£15.63
3504PCSAM	Pop-up Sprinkler with 4" plastic riser – adjustable arc (40-360°) completed with SAM inbuilt non-return check valve, ½" BSP female inlet, complete with nozzles	£23.52

ACCESSORIES

RainBird Ref	Description	Price
ROTORTOOL	RainBird Rotor Screwdriver – use when changing nozzles and adjusting sprinkler arc	£5.28

5000 SERIES ROTOR

A pop-up rotor for irrigating large lawns from 10m to 15m wide (20m – 26m diameter).

The 5000 Series sprinkler range comes in 3 pop-up heights (height of nozzle above top of sprinklers body); 4", 6" and 12"



5004 SERIES ROTORS: 4" POP-UP HEIGHT

A rotor for lawns up to 20m wide, installing multiple rotors 10m apart in grid form will provide excellent coverage.

RB Ref	Description	Price
5004 PC30	5004: 4" pop-up height sprinkler, part circle (0-360°) c/w No.3.0 nozzle installed	£17.15
5004 PCSAM	5004: 4" pop-up height sprinkler, part circle (40-360°) c/w No.3.0 nozzle installed. Includes SAM non-return check valve – a highly recommended valve to prevent sprinkler leakages	£20.44
5004+ PCSAMRSS	5004 with shut-off, part circle (40-360°) c/w SAM check valve, pressure regulation and a stainless sheathed 4" riser. Regulated to 2.5 bar pressure	£36.34

5006 SERIES ROTORS: 6" POP-UP HEIGHT

A rotor for medium to large-sized lawns. The 5006 Series features great durability, quality performance and low head drainage.

Features dual-action, positive stop wiper seal to protect internals from debris. It also has a heavy-duty stainless steel spring for positive pop-up and retraction for water savings.

RB Ref	Description	Price
5006+ PCSAM	5006: 6" riser height pop-up rotor, part circle (40-360°) and reversing full circle. c/w SAM check valve	£62.78
5006+ PCSAMRSS	5006: 6" stainless riser height pop-up rotor, part circle (40-360°) and reversing full circle. c/w SAM check valve, sprinkler regulated to 2.5 bar pressure	£81.96

5012 SERIES ROTORS: 12" POP-UP HEIGHT

A rotor for medium to large-sized lawns. The 5012 Series provides high quality standards and top level performance with low head drainage.

Ideal for residential and commercial applications. The 5012 series combines a triple blade wiper seal with a rain curtain nozzle to provide uniform coverage.

RB Ref	Description	Price
5012+ PCSAMR	5012: 12" riser height pop-up rotor, part circle (40-360°) and reversing full circle. c/w SAM check valve, sprinkler regulated to 2.5 bar pressure	£74.17

ACCESSORIES

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	500 Plus TREE	5000 Nozzle Tree (8 standard angle + 4 low angle) 1 x nozzle tree comes with your rotor automatically	FOC		SPX FLEX30	SPX Flex Tube, 30m roll – can be cut to desired length	£43.77
	5000MPRMPK	Bag of 30 x 5000-MPR Nozzle Trees: 10 x MPR-25, 10 of MPR-30 and 10 of MPR-35	FOC		SBE075	Spiral Barbed Fitting c/w ¼" BSP male threaded elbow – screws into the 5000 Series Rotor to connect the SPX Flex Tubing	35p

6504 AND 8005 SERIES



FALCON 6504 POP-UP ROTOR

A range of pop-up sprinklers for large lawns and public areas for amateur sports. The Falcon 6504 is a heavy-duty, gear driven pop-up sprinkler which has a 1" BSP inlet with a range of nozzles. It is available with both plastic and stainless steel risers, all with a 4" riser height and throw capability up to 19m wide. The Falcon 6504 has a small surface area which can be disguised within the turf when it's not operating.

Features

- Precipitation rate: 0.37 – 1.31"/hour (9 – 33mm/hr)
- Radius: 39 – 65 feet
- Pressure: 30 – 90 psi
- Flow rate: 2.9 – 21.7 GPM (0.66 – 4.93m³/h; 0.18 – 1.37l/s)

RainBird Ref	Description	Price
FALCON PC	Falcon 6504: Adjustable arc model c/w plastic riser, 1" BSP inlet, 4" pop-up height – arc of throw can be adjusted from 40° to 360°	£83.43
FALCON PCSS	Falcon 6504: Adjustable arc model c/w stainless steel riser, 1" BSP inlet, 4" pop-up height – arc of throw can be adjusted from 40° to 360°	£104.51

ACCESSORIES

RainBird Ref	Description	Price
SJ 12 100 22E	RainBird O-ring Swing Joint PVC, 12" long x 1" BSP each end (2 elbows each end)	£50.99
RAINNOZLOW	Falcon 6504 Nozzle Pack: No.04 Black, No.06 Lt Blue, No.08 Green	FOC
RAINNOZSTD	Falcon 6504 Nozzle Pack: No.10 Grey, No.12 Lt Brown, No.14 Light Green, No.16 Brown, No.18 Dk Blue	FOC
HOLDUP TOOL	Rotor Hold-up Tool with Levelling Bubble – use when changing nozzles	£12.71



RAINBIRD 8005 SERIES POP-UP ROTOR

A pop-up rotor for irrigating large lawns up to 22.6m wide. The 8005 Series Pop-up Rotor range features a taller pop-height of 5" for larger areas with throws from 12m to 25m radius. The range includes both a plastic riser and a stainless steel riser, both can be covered with a turf-cup to disguise within your landscape project.

Features

- Vandal resistant, brass reinforced turret for increased side impact durability
- Precipitation rate: 0.48 to 1.23 inches per hour (12 – 31mm/hr)
- Radius: 39 – 81 feet
- Pressure: 50 – 100 psi
- Flow rate: 3.8 to 36.3 GPM (0.86 – 8.24m³/h; 14.4 – 137.4 l/m)

RainBird Ref	Description	Price
8005	RainBird 8005 Pop-up Rotor complete with 5" (125mm) plastic riser, 1" BSP female inlet	£121.13
8005SS	RainBird 8005 Pop-up Rotor complete with 5" (125mm) stainless steel riser, 1" BSP female inlet	£152.68

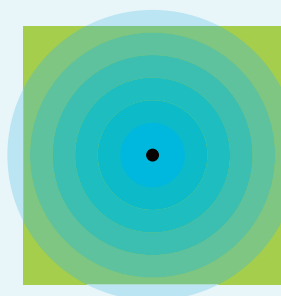
ACCESSORIES

RainBird Ref	Description	Price
SODCUP	RainBird turf-cup for 8005 Sprinkler – to disguise sprinkler	£83.19
RAINNOZH1	8005 Nozzle Pack: No.20 Red, No.22 Yellow, No.24 Orange, No.26 White	FOC

Obtaining good sprinkler coverage when installing an irrigation system

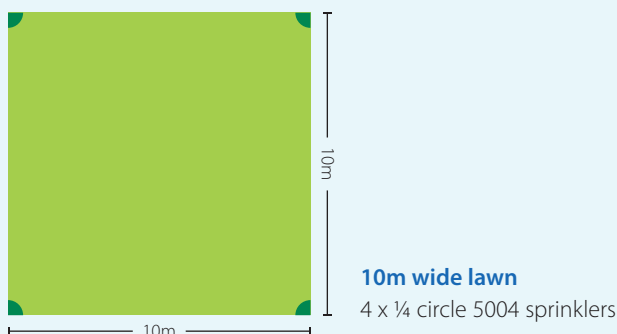
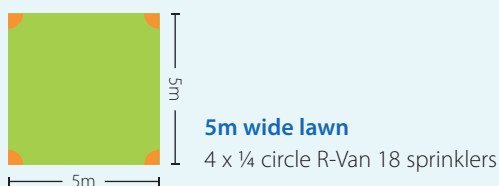
Pop-up sprinklers

A pop-up sprinkler throws water outwards and in doing so, throws more water closer to the sprinkler and less water further away. This means that the grass closest to the sprinkler receives more water and will therefore have better soil moisture and greener grass, with the health of the lawn decreasing the further away from the sprinkler you get.



This diagram shows a full-circle sprinkler in the middle of the lawn. Note the corners of the lawn do not receive any water in this example, so this area could die. The sides of the lawn are over throwing. This could cause slip hazards if a path were to become wet

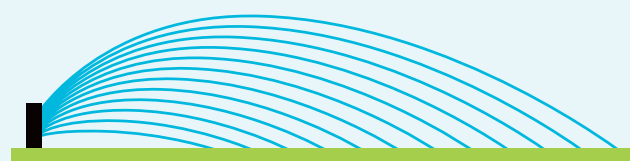
Examples



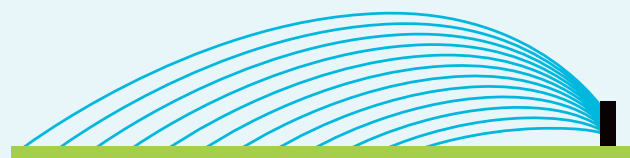
Head-to-head coverage

Irrigation professionals prefer to install sprinklers on the perimeters of lawns and have the sprinklers throwing inward. This ensures the corners are no longer dry and you can control where the water is going to land, so there is no overthrow. However, there is still poor coverage from each sprinkler. As water is thrown further from a sprinkler, the amount that hits the land is proportionally less. To counteract this, a second sprinkler is installed at the far end of the throw aiming back.

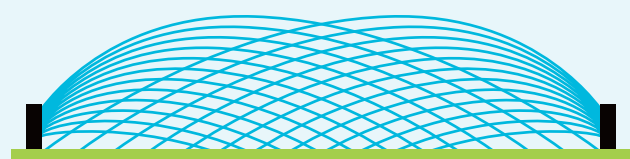
This is known as Head-to-Head Coverage and is the basis of how irrigation sprinklers are positioned in any situation. The model of sprinkler you choose for any given lawn or garden is one that can throw to the other side of the area.



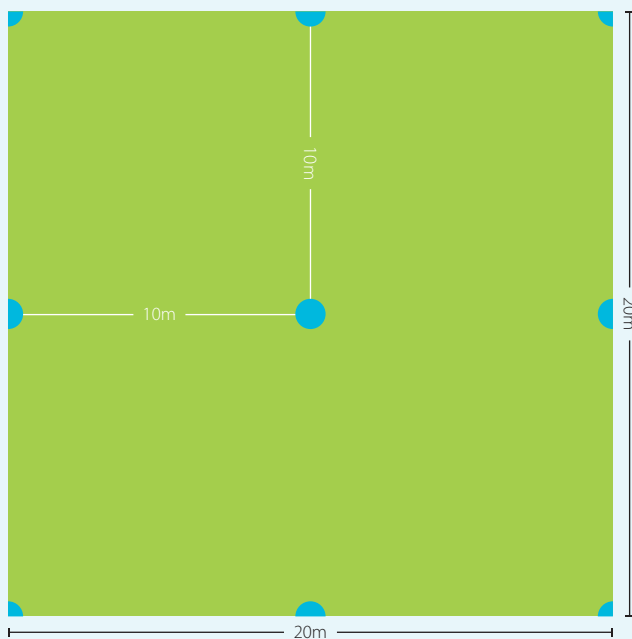
Side elevation of sprinkler coverage



Opposite side, throwing back



Result of sprinklers on opposite sides



20m wide lawn
If the lawn is 20 metres wide and we want to use a 10 metre-throwing sprinkler, then we can install sprinklers at 10 metre grids, including full-circle sprinklers in the middle of the lawn:

- ¼ circle sprinkler in each corner
- ½ circle sprinkler along each side
- One full-circle sprinkler in the middle

Large lawns require a range of sprinklers to ensure all areas of the lawn are watered uniformly. For further advice on the number and type of sprinklers you need, please contact your Technical Sales Advisor.

SWINGS JOINTS

A range of swing joints to provide suspension beneath a pop-up sprinkler.



SWING JOINTS FOR POP-UP SPRINKLERS

A range of swing joints to provide suspension beneath a pop-up sprinkler to avoid damage from pedestrian or vehicle weight.

Swing Joints act like shock absorbers and allows sprinklers to move up and down to protect from any damage or harm. They are usually set at a 45° angle but can be level with the soil surface.

Swing Joints control and maintain a pre-set inlet pressure for rotors with 1" inlets. In high pressure or fluctuating pressure circumstances, the swing joints ensure optimal droplet size and eliminates misting. This ultimately improves the coverage and reduces water consumption significantly.

This product can provide the same pressure to each rotor where high flow rates result in significant friction losses or elevation changes.

These joints are not recommended for use in systems where the pressure in lateral lines is equal to or less than the nominal regulation pressure. Please do not open the unit under any circumstances.



RainBird Ref	Type	Description	Compatible with	Price
N/A	½" swing joint	½" BSP x 12" long with 2 elbows each end – thread tape required for this product (not included)	RD1800, 3500 Series Rotors and R-VANS	£5.95
N/A	¾" swing joint	¾" BSP x 12" rigid poly articulated riser swing joint (O-rings not included) with 2 elbows each end	5004, 5006 and 5012 Series	£7.25
SJ 12 100 22E	1" swing joint	Swing Joint: 1" BSP x 12" swing joint, 2 elbows at top, 2 elbows	8005 and Falcon 6504	£50.99

ACCESSORIES

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	SPXFLEX30	SPX Flex Tube, 30m roll – can be cut to desired length	£43.77		SBE050	Spiral Barb Fitting: ½" male x barb elbow – use each end of SPX Flex Tube	35p

TOOLS AND ACCESSORIES

A range of tools for maintenance on RainBird sprinklers.



GARDEN DRIP AND MICROJET TOOLS

	RainBird Ref	Description	Price
	FITINSTOOL	XF Fittings Insertion Tool – to insert elbows and tees into Dripline tube	£4.40
	PPC200X	Tubing Cutter – to cut thin-walled irrigation tubing and Dripline tube (not suitable for thick walled PE piping)	£40.01
	XM-TOOL	Xeri-Man Emitter Insertion Tool – punches holes into irrigation pipes to insert drippers. Can also remove a dripper or emitter and place a plug to fill the resultant hole.	£4.81

For further information on how and when to use the above tools, please contact your Technical Sales Advisor.

LANDSCAPE AND SPORTS TOOLS

	RainBird Ref	Description	Price
	ROTORTOOL	RainBird Rotor Screwdriver - sprinkler adjuster, inserts nozzles and alters arc. Also to connect cables into a controller	£5.28
	HOLDUPTOOL	Hold-up Tool – holds 5000, 8005 Series and Falcon rotos up. Bubble level included to help with sprinkler installation	£12.71
	WIRE STRIPPER	Wire Stripper Tool – de-sheaths cables for cable connections and to remove outer sheath	£48.62
	N/A	Stainless Nozzle Changing Clamp for 500 and 700 Series Rotors (500, 550, 551, 552, 700, 702, 751, 752) – holds the rotors riser in place during turret removal	£29.95

IMPACT GUNS

Impact guns easily distribute water across larger distances.



XLR SERIES IMPACT GUNS

An XLR Water Jet for landscape, agricultural, enclosure and pitch use. It can be installed onto a post to cover a 60m radius operating at 2 bar pressures up to 7 bar for distance and volume. This model is compatible with 5 different nozzles* based on your project requirements.

This product can also be used in enclosures for dust suppression. Install device on a post to cover a large area, this prevents dust and keeps the area cleaner for animal use.

Features

- Water deflector distributes water uniformly for entire throw distance
- Optimised barrel and nozzle designs maximise throw considerably
- Radius: 81 – 177 feet (25.6 – 57.3m)
- Pressure: 30 – 120 psi
- Flow rate: 35 – 379 GPM (7.9 – 86.1m³/hr)



RainBird Ref	Description	Price
XLR24	XLR 24° Trajectory Water Jet 2" flanged inlet (comes as 6-hole flange), full and part circle (minimum 20° angle)	£1,540.68

*Sold separately.

ACCESSORIES

	RainBird Ref	Description	Price
	XLRNOZ47	XLR Nozzle – 12mm	£26.17
	XLRNOZ63	XLR Nozzle – 16mm	£26.17
	XLRNOZ79	XLR Nozzle – 20mm	£26.17
	XLRNOZ94	XLR Nozzle – 24mm	£26.17
	XLRNOZ110	XLR Nozzle – 28mm	£26.17
	XLRJETKIT	XLR Jet Breaker Kit – use to diffuse jet as it exits the gun	£127.28

PLEASE NOTE: This gun must be mounted above the height of people/animals as the gun is extremely high-impact and can cause serious injury.

TIMERS AND CONTROLLERS



HOSE END TIMER

An automated, battery operated tap timer for low volume irrigation systems. This timer mounts directly on to the garden tap thread (3/4" BSP thread) and has a 3/4" BSP outlet. This professional quality timer is simple to program, allows up to 2 cycles per day and tailoring for days of the week alongside a range of advanced features. These settings can be overridden, security can be altered and the system can also be fully switched off should you prefer to allow precipitation to water the area or manual watering. The screen displays program status such as next scheduled cycle and time remaining on the current cycle. This timer has a high-flow design with a low pressure loss valve which also provides leak tight performance.

Intended for outdoor use only with cold water.

Features

- w 8.1" x h 8.5" x d 3"
- 2 programmes
- 1 zones
- Working water pressure: 15psi (minimum) to 90psi (maximum)
- Working temperature: keep from freezing to 40°C (maximum)

RainBird Ref	Description	Price
1ZEHTMR	Hose End Timer, 3/4" female x 3/4" male, uses 2 x AA batteries (not included)	£65.16



WPX SERIES BATTERY-OPERATED CONTROLLER

The WPX Controller operates using a 9-volt DC battery which fits inside a capped connection on its side. The waterproof case means this item can be installed within a valve box, under ground level. Once the battery dies, the non-volatile memory will hold your program up to 100 years.

There are a range of models available which are dependant on solenoid valve quantities. Generally, this controller pairs with a 1" diameter solenoid valve however, 1 1/2" and 2" are suitable should you require the extra flow rate.

RainBird Ref	Description	Price
WPX1	WPX Single Station Model, excludes solenoid valve and coil	£191.98
ESPDVFKIT	WPX Single Station Controller completed with DVF solenoid valve and FC latching solenoid	£107.08
ESP1SOL	WPX Single Station Model complete with 9-volt solenoid coil (excludes valve)	£125.98
WPX2	WPX 2-Station Model, excludes valve and coils. Can operate up to 2 solenoid valves, 9-volt coils sold separately	£184.45
WPX4	WPX 4-Station Model, excludes valve and coils. Can operate up to 4 solenoid valves, 9-volt coils sold separately	£201.29
WPX6	WPX 6-Station Model, excludes valves and coils. Can operate up to 6 solenoid valves, 9-volt coils sold separately	£227.19

ACCESSORIES

RainBird Ref	Description	Price
9VMOUNT	WPX Wall-Mount Kit - use this to safely mount the controller on a wall	£19.04
BAT9AL	9V Alkaline Battery. Lifespan 1 season. One required per controller	£2.90
100-HVBSP9V	1" HV BSP Solenoid Valve Complete with 9V latching solenoid - use this valve for the above WPX Controllers	£40.41

CONTROLLERS



TBOS-BT COMMERCIAL GRADE BATTERY CONTROLLERS

A commercial grade battery controller which can be used in conjunction with the Rainbird mobile app to operate. Once the valve box has been installed underground, you only need access to it annually to replace the battery, the rest can be done on your smart phone.

The TBOS comes in a range of models dependant on how many solenoid valves you require for the valve box. The main unit features no controls as it is all done digitally via your smart phone.

This controller can operate 1", 1½" and 2" solenoid valves which is perfect for large landscape projects, traffic islands and roof gardens – purely for its smart operation via your smart phone over having to visit the main controller.

RainBird Ref	Description	Price
TBOSBT1	TBOS-BTTM Control Module – 1 station, excludes valve and coil	£151.36
TBOSBT2	TBOS-BTTM Control Module – 2 stations, can operate up to 2 solenoid valves	£174.65
TBOSBT4	TBOS-BTTM Control Module – 4 stations, can operate up to 4 solenoid valves	£190.53
TBOSBT6	TBOS-BTTM Control Module – 6 stations, can operate up to 6 solenoid valves	£206.41

ACCESSORIES

RainBird Ref	Description	Price
BAT9AL	Replacement 9V Alkaline Battery – replace annually	£2.90
K80920	9-volt DC Latching Replacement solenoid coil for RainBird valves	£44.83
100PGA 9V	RainBird 100PGA 1" Commercial Grade solenoid valve complete with 9VDC Latching Coil – connect directly to TBOS-BT Controller	£88.50
150PGA 9V	Rainbird 150PGA 1½" Commercial Grade solenoid valve complete with 9VDC Latching Coil – connect directly to TBOS-BT Controller if 1½" solenoid valve is required	£124.46



ESP-TM2 IRRIGATION CONTROLLERS

Designed for domestic and average sized landscape irrigation systems as well as a multi-cable controller. This cost-effective irrigation controller is easy to programme and operate, available in 4 models and can be installed both inside or outside as the controller features a lockable weatherproof front door.

This controller has 3 programmes and 4 start times per programme. You can select specific solenoid stations to react to a certain weather sensor. This efficiently changes the run-time of every station on the system. With a non-volatile memory, the controller will hold its programme in the event of a power cut or power switch off.

RainBird Ref	Description	Price
TM2-4-230	Outdoor 4-station TM2 controller – WIFI compatible	£176.95
TM2-6-230	Outdoor 6-station TM2 controller – WIFI compatible	£203.75
TM2-8S230	Outdoor 8-station TM2 controller – WIFI compatible	£248.11
TM2-12S230	Outdoor 12-station TM2 controller – WIFI compatible	£322.51

ACCESSORIES

RainBird Ref	Description	Price
LNKWIFI	LNK WIFI Module – connects the controller to your WIFI	£147.11
ROTORTOOL	RainBird Rotor Screwdriver – sprinkler adjuster, inserts nozzles and alters arc. Also to connect cables into a controller	£5.03

CONTROLLERS



ESP-ME3 MODULAR IRRIGATION CONTROLLER

A controller which is suitable for large landscape projects to small to medium sport projects. It starts as a 4 station modular controller which can be expanded up to 22 stations using either a 3 station or 6 station extension module.

This controller has a wider range of options and capabilities opposed to domestic LNK controllers, while being WIFI compatible with the additional LNK WIFI Module installed – this enables you to operate the controller directly from your smart phone.

Features:

- 4 independent programmes
- 6 start times per programme
- Seasonal adjustment of all stations from one button
- Rain sensor bypass function
- Large and easy to use dial

RainBird Ref	Description	Price
ESP4ME3EUR	ESP-ME3 Module Controller – 4 station base controller (with added extension modules, it can expand up to 22 stations)	£284.11
ESPSM3	3 station extension module for the ESP-ME Controller	£51.10
ESPSM6	6 station extension module for the ESP-ME Controller	£91.91



ESP-LXME IRRIGATION CONTROLLER

Suitable for large landscape or sport projects, this experienced and widely used direct wire controller with a large display which is simple to use and can be used to cover small and large operations. Pair with an extension module, this controller can expand up to 48 stations.

This controller can be upgraded to include the IQ Network Communication Cartridge which features its own IP address and SIM card so you can program the controller from your smart phone via the RainBird mobile app.

Features:

- 8 station controller base unit (expandable up to 48 stations with extension module)
- Multi-cable controller with 5 solenoid stations (each can operate simultaneously)
- Dynamic station numbering
- Master valve/pump start circuit
- UV-resistant with a lockable wall-mounted plastic case

RainBird Ref	Description	Price
I8LXMEEU	ESP-LXME Controller – 8 station modular (with added extension modules, it can expand up to 48 stations)	£546.31
ESP LX M SM12	12 station extension module for the ESP-LXME Controller – add to base controller to make up the number of required stations	£277.27

ACCESSORIES

RainBird Ref	Description	Price
N/A	IQ Network Communication Cartridge- 4G (Cellular) with 4G SIM Card and communication included for 1 year – this allows a smart phone or internet-connected computer to control the system via a SIM card	£2,705.86

CONTROLLERS AND DECODERS



ESP-LXD DECODER-BASED IRRIGATION CONTROLLER

A market leading decoder-based controller for large projects, it starts as a 50 station controller which can simply be increased to a maximum of 200 stations. This system can operate off only 2 wires going to all the solenoid stations and can be upgraded with the IQ Network Communication Cartridge to control your entire irrigation system from your smart phone.

Features:

- 50 station controller base unit (expandable up to 200 stations with extension modules)
- Up to 5 simultaneous stations
- Dynamic station numbering eliminates station numbering gaps
- Master valve/pump start circuit
- UV-resistant with a lockable wall-mounted plastic case

RainBird Ref	Description	Price
ESP-LXD	ESP-LXD Decoder Controller – 50 station modular	£2,594.39
ESPLXDSM75	ESP-LXD Decoder Controller – 75 expansion module	£504.28

ACCESSORIES

RainBird Ref	Description	Price
IQDATAPLAN	IQ Data Plan – annual SIM card subscription after the first free year for the IQ4613E / IQ4614E communication cartridge	£199.68

LX-IVM CONTROLLERS

A powerful controller which features integrated valve modules in place of solenoid coils on all valves, these act as a microprocessor. Although this system does not have decoders within it, it still operates on the same twin core cable.

The IVM Modules communicate directly with the LX-IVM Controller, if the cable connection begins to fail, the IVM Module will send a message to the controller. You'll receive a weekly report outlining that the module is losing current so that you can rectify the issue before it breaks down completely.

This controller uses IQ4 Cloud Technology which means you can control the irrigation system from your smart phone or computer device.

There are two models to choose from:

- LV-IVM – has up to 60 stations, 10 programmes and up to 8 simultaneous stations
- LV-IVM PRO – has up to 240 stations, 40 programmes and up to 16 simultaneous stations

RainBird Ref	Description	Price
ILXIVMEU	ESP LX-IVM 2 Wire Controller with Smart Valve Technology – 60 stations	£1,608.80
ILXIVMPEU	ESP LX-IVM PRO 2 Wire Controller with Smart Valve Technology – 240 stations	£3,067.03
LXIVMSOL	LX IVM 2 Wire Solenoid Coil – for RainBird commercial valves	£127.08
LXIVMSD	LX IVM 2 Wire SURGE Protection Device	£136.05
LXIVMSEN	LX IVM 2 Wire Sensor Device – for weather and flow sensors	£813.80
LXIVMOUT	LX IVM-OUT 2 Wire OUTPUT Device – manage third party valves or devices	£307.43

DECODERS, HARDWARE AND WEATHER SENSORS



DECODERS AND DECODER HARDWARE

Extensively used on large landscape projects as well as golf and sport projects. A decoder controller only requires 2 stands of wire to operate hundreds of solenoid valves. Every valve installed into a decoder will receive an electrical signal, even if it is not specifically for the valve selected, with all of the valves receiving a current, they will still open and irrigate as required.

NB: RainBird decoders only operate on RainBird decoder controllers – it will not be able to communicate with other brands controllers.

WEATHER SENSORS

These devices help control your irrigation system in the event of unsavoury weather based on soil moisture.

Rain Sensor

A cost-effective rain sensor which can be connected to any irrigation controller that has sensor ports. It can be programmed to turn the irrigation system off in the event of heavy rain. Mount of fence or post away from overhanging obstacles. Requires a twin electrical cable to be taken back to irrigation controller.

Wireless Rain/Freeze Combo Sensor

A small device which comes in 2 parts; a wireless sensor (mounted to fence or gutter outside) and the receiver (mounted by the controller). This sensor will pause your irrigation in the event of rain and will prevent the irrigation system operating should temperatures drop below a pre-set minimum.

Soil Moisture Sensor

This product reads the soil moisture level in the ground around the sensor and controls the irrigation accordingly. It comprises 2 parts; the soil moisture sensor (installed in the soil) and the receiver (mounted by the controller). You can control what the minimum level of soil moisture can be for your irrigation system to operate.

RainBird Ref	Description	Price
FD101*	Field Decoder – one-way, 1 solenoid per station	£126.23
FD202	Field Decoder – two-way, 2 solenoids per station	£288.10
LSP1	Line Surge Protection Device – install one every 8 decoders or 150 metres. These protect the system from lightning strikes	£80.74
PD210	Pump Decoder	£928.19
SD210	Sensor Decoder	£548.81
WCUL100	Connector for Max 3 Wires 4mm ² (600V Max)	£3.47

* For the FD101 Model, you will need 4 cable connectors.

RainBird Ref	Description	Price
RSDBEx	Rain Sensor	£45.44
WR2RFC868	Wireless Rain/Freeze Combo Sensor	£164.04
SMRTYI	Soil Moisture Sensor	£290.66

SOLENOID CONTROL CABLES

Solenoid Control Cables link the controller to the solenoid valves.

MULTI-CORE CABLE FOR LANDSCAPE AND SINGLE PITCH SYSTEMS

Multi-Core Cables features several strands of cable that are all sheathed to become an overall sheath. For multi-cable systems, one more strand of cable than your quantity of solenoid valves is needed.





RainBird Ref	Description	Length	Price
IRRICABLE 3/75	Irrigation Cable 3 colour-coded conductors	75m drum	£103.20
IRRICABLE 3/150		150m drum	£206.04
IRRICABLE 5/75	Irrigation Cable 5 colour-coded conductors	75m drum	£158.24
IRRICABLE 5/150		150m drum	£316.47
IRRICABLE 7/75	Irrigation Cable 7 colour-coded conductors	75m drum	£214.49
IRRICABLE 7/150		150m drum	£428.99
IRRICABLE 9/75	Irrigation Cable 9 colour-coded conductors	75m drum	£275.37
IRRICABLE 13/75	Irrigation Cable 13 colour-coded conductors	75m drum	£372.69

PLEASE NOTE: This is low voltage and only designed for 24VAC solenoid valves.

DECODER AND IC CONTROL CABLE

Decoder and IC Control Cables are flexible, easy to use and can only be used on decoder and IC systems.

	RB Ref	Description	Price
	BLUE SYS CABLE	2 x 2.5mm ² cable, ø 11mm, 500m coil	£1,522.42
		2 x 2.25mm ² cable, ø 11mm, 20m minimum order	£4.10/m
	WCUL100	Connector for Max 3 Wires 4mm ² (600V Max)	£3.47

ACCESSORIES

	RB Ref	Description	Price
	WIRE STRIPPER	Wire Stripper Tool	£48.62
	DBM10	Connector for Max 3 wires 1½ mm ² (600V Max)	£1.92
	KING	Connector for Max 2 wires 2½ mm ² or 3 wires 1.5mm ² (30V Max)	£1.39

VALVES

A range of valves to turn water on or off available in brass, stainless and plastic. They can be installed directly upstream of a solenoid valve for maintenance purposes.



BRASS BALL VALVES, FEMALE X FEMALE C/W LONG HANDLE

RB Ref	Description	Price
N/A	Brass Ball Valve ½" female x female, c/w stainless handle	£7.46
	Brass Ball Valve ¾" female x female, c/w stainless handle	£9.85
	Brass Ball Valve 1" female x female, c/w stainless handle	£15.69
	Brass Ball Valve 1¼" female x female, c/w stainless handle	£25.85
	Brass Ball Valve 1½" female x female, c/w stainless handle	£35.86
	Brass Ball Valve 2" female x female, c/w stainless handle	£48.17



PVC DOUBLE-UNION BALL VALVES

RB Ref	Description	Price
N/A	Mega PVC Double Union Ball Valve ¾" female thread	£12.85
	Mega PVC Double Union Ball Valve 1" female thread	£14.34
	Mega PVC Double Union Ball Valve 1¼" female thread	£19.60
	Mega PVC Double Union Ball Valve 1½" female thread	£20.73
	Mega PVC Double Union Ball Valve 2" female thread	£30.96



NON-RETURN BRASS SPRING CHECK VALVES

Spring-loaded check valves to prevent water from returning against the current. These valves are used extensively in system that use pump or mains pressure, not gravity systems.

RB Ref	Description	Price
N/A	Brass Non-Return Spring Check Valve ½" BSP	£6.84
	Brass Non-Return Spring Check Valve ¾" BSP	£9.47
	Brass Non-Return Spring Check Valve 1" BSP	£12.00
	Brass Non-Return Spring Check Valve 1¼" BSP	£17.85
	Brass Non-Return Spring Check Valve 1½" BSP	£26.46
	Brass Non-Return Spring Check Valve 2" BSP	£36.47



SCREENS FOR NON-RETURN CHECK VALVES

Screw directly into non-return brass spring check valves. Used as foot valve screens when sucking water from a tank or pond. Constructed of 304 stainless steel and a plastic threaded connection.

RB Ref	Description	Price
N/A	Stainless Strainer for Non-Return Foot Valve ½" BSP	£1.44
	Stainless Strainer for Non-Return Foot Valve ¾" BSP	£1.61
	Stainless Strainer for Non-Return Foot Valve 1" BSP	£1.85
	Stainless Strainer for Non-Return Foot Valve 1¼" BSP	£2.63
	Stainless Strainer for Non-Return Foot Valve 1½" BSP	£3.15
	Stainless Strainer for Non-Return Foot Valve 2" BSP	£4.07

SOLENOID VALVES



DV SOLENOID VALVES

A quality landscape and garden solenoid valve available in ¾" BSP and 1" BSP for landscape irrigation projects. The DV Valve is simple, reliable and is available with Flow-Control (F) for extra control. For operating pressures between 1 and 10.4 bar, it has a 200-micron filter built in to protect the diaphragm from getting blocked.

DV Solenoid Valve: 24 VAC – use with irrigation controller

Features

- Both the diaphragm and solenoid are double-filtered for maximum reliability and grit resistance
- Low-power encapsulated solenoid with captured plunger and 90 mesh solenoid filter
- External bleed to manually clean the system of dirt and debris while installing and starting up the system
- Internal bleed for spray-free manual operation
- Operates low-flow and Dripline applications when a 200 mesh filter is fitted upstream

DV Solenoid Valve: 24 VAC – use with irrigation controller

RainBird Ref	Description	Price
100DV	1" BSP female threaded DV solenoid valve – 24 VAC	£35.17
100DVF	1" BSP female threaded DV solenoid valve with flow control – 24 VAC	£44.72

9-volt DC Latching for Battery Timers

RainBird Ref	Description	Price
100DVMM 9V	1" male threaded DV solenoid valve – 9v solenoid	£56.44

DV Drip: Low Flow Valves – for drip systems

RainBird Ref	Description	Price
LFV075	DV Drip 24 VAC Low Flow Valve ¾" female	£31.16
LFV0759V	DV Drip 9V Low Flow Valve ¾" female	£49.03

HV SOLENOID VALVES

A budget yet quality landscape and garden solenoid valve available in 1" BSP, male or female threaded for landscape and residential watering systems. The HV Valve is cost-effective, good quality with a glass filled polypropylene body, providing optimum strength. Available with Flow-Control (F) for extra control, this valves operating pressures between 1 and 10.3 bar, with a 200-micron filter built in to protect the diaphragm from getting blocked.

Features

- Features self-cleaning 90 mesh pilot water filter and a captured stainless steel spring; both of which provide smooth closing resulting in less water hammer
- Glass-filled polypropylene body for maximum strength
- Compact design with a 2.54" spin radius – perfect for tight installations
- Has both internal and external bleed for manual cleaning and spray-free operation
- Operates low-flow and Dripline applications when a 200 mesh filter is fitted upstream

RainBird Ref	Description	Price
100HV	1" BSP female threaded RainBird HV Solenoid Valve – complete with standard 24 VAC coil	£21.81
100HVF	1" BSP female threaded RainBird HV Solenoid Valve with Flow-Control – complete with standard 24 VAC coil	£25.41
100HVBSP9V	1" HV BSP female threaded RainBird Solenoid Valve – complete with 9v DC latching solenoid coil	£40.41

SOLENOID VALVES, DIALS AND REGULATOR



PGA COMMERCIAL SOLENOID VALVES

For use on large landscape projects, sport pitches, golf course retrofits and other large irrigation projects. This valve is reliable, cost-effective and is suitable for both standard irrigation controllers, including decoder controllers as well as battery-operated timers.

For standard irrigation controllers, including decoder controllers use the 24 VAC option.

For battery-operated timers use the 9v DC latching option.

These valves are rated for 10 bar (145 psi).

RB Ref	Description	Price
100PGA	100PGA globe/angle solenoid valve, 1" BSP female – 24 VAC	£60.04
150PGA	150PGA globe/angle solenoid valve, 1½" BSP female – 24 VAC	£97.88
200PGA	200PGA globe/angle solenoid valve, 2" BSP female – 24 VAC	£137.70

ACCESSORIES

RB Ref	Description	Price
100PGA 9V	100PGA globe/angle solenoid valve, 1" BSP female – 9v latching coil	£88.50
150PGA 9V	150PGA globe/angle solenoid valve, 1½" BSP female – 9v latching solenoid	£124.46
200PGA 9V	200PGA globe/angle solenoid valve, 2" BSP female – 9v latching coil	£155.40



PRS DIAL

The PRS Dial screws directly onto the RainBird Commercial Grade Solenoid Valve. To install, simply unscrew the solenoid coil, screw this dial into the hole and screw the coil on top of it.

This pressure regulator controls the downstream pressure that comes out of the solenoid valve – the pressure can be adjusted by twisting the dial. The PRS Dial is compatible with the PGA valve only, not small domestic grade valves such as the DV or HV valves.

Having individual control of solenoid stations downstream pressure brings many advantages, one being, altering the downstream pressure to match sprinkler operation. This dial prevents sprinklers from misting due to high-pressure and it also prevents dripline and spray sprinklers from being damaged.

Pressure Regulation: 1.04 bar to 6.9 bar

Required Incoming Pressure: 1.04 bar higher than the required outlet pressure

RB Ref	Description	Price
PRSDial	Pressure Regulator for PGA Commercial Solenoid Valves	£104.70



LANDSCAPE PRESSURE REGULATOR

A ¾" landscape inline pressure regulator for use within a pipeline or manifold to reduce downstream water pressure. This ensures the sprinklers are operating at the right pressure as well as protecting your irrigation system.

For larger pipelines, the PRS Dial is our recommended option.

Features

- Can be installed above or below ground
- Regulates outlet pressure to 30 psi
- Pre-set outlet pressure: 30 psi
- High strength ABS construction
- Extremely durable for a wide range of applications

RB Ref	Description	Price
PSIM15	1 Bar Pressure Regulator	£12.72
PSIM20	1.40 Bar Pressure Regulator	£12.72
PSIM25	1.75 Bar Pressure Regulator	£12.72
PSIM30	2.10 Bar Pressure Regulator	£12.72
PSIM40	2.80 Bar Pressure Regulator	£12.72
PSIM50	3.50 Bar Pressure Regulator	£12.72

SOLENOID MANIFOLDS 1200 SERIES

A range of 1" landscape manifold fittings. 1200 Series have female threaded swivel connections making them compatible with male threaded solenoid valves.

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	RB1201010	PVC Union Tee Manifold 1" F x 1" M-1 outlet: 1" F	£8.85		RB1206010	PVC Union Elbow 1" M x 1" F	£7.32
	RB1201210	PVC 2-outlet Manifold 1" F x 1" M-2 outlets: 1" F	£16.87		RB1212010	PVC Union Elbow 1" F x 1" F	£8.27
	RB1201310	PVC 3-outlet Manifold 1" F x 1" M-3 outlets: 1" F	£25.27		RB1239131	PVC Adapter 1" M x 3/4" F	£2.48
	RB1201410	PVC 4-outlet Manifold 1" F x 1" M-4 outlets: 1" F	£33.66		RB1282010	PVC Adapter 1" M x 1" M	£2.30
	RB1203010	PVC Tee Double Swivel 1" F-2 opposite outlets: 1" F x 1" F	£12.41		RB1348010	PVC Cap 1" F	£1.90
	RB1220010	PVC Union Cross 1" F x 1" M-2 opposite outlets: 1" F	£11.65		RB1330010	PVC Coupling 1" F x 1" F	£2.12

SOLENOID MANIFOLDS 1300 SERIES

A range of 1" landscape manifold fittings. 1300 Series have male threaded swivel connections making them compatible with female threaded solenoid valves.

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	RB1301010	PVC Union Tee Manifold 1\"F x 1\"M-1 outlet: 1\"M	£8.75		RB1306010	PVC Union Elbow: 1\"M x 1\"M	£7.32
	RB1301210	PVC 2-outlet Manifold 1\"F x 1\"M-2 outlets: 1\"M	£16.87		RB1312010	PVC Union Elbow: 1\"M x 1\"F	£8.17
	RB1301310	PVC 3-outlet Manifold 1\"F x 1\"M-3 outlets: 1\"M	£25.27		RB1282010	PVC Adapter 1\"M x 1\"M	£2.30
	RB1301410	PVC 4-outlet Manifold 1\"F x 1\"M-4 outlets: 1\"M	£33.66		RB1348010	PVC Cap 1\"F	£1.90
	RB1303010	PVC Tee Double Swivel 1\"F inlet-2 opposite outlets: 1\"M	£12.27		RB1330010	PVC Coupling 1\"F x 1\"F	£2.12
	RB1320010	PVC Union Cross 1\"F x 1\"M-2 opposite outlets: 1\"M	£11.57	<p>Each manifold fitting contains an o-ring so they can be screwed tight manually.</p>			

VALVE BOXES

VALVE BOXES FOR GARDENS

A range of valve boxes for garden irrigation to hide solenoid valves and taps safely underground. Valve boxes surfaces should sit at ground level, the sides are pre-cut for entry and exit of pipes and they are extremely strong however, only recommended for pedestrian and light machinery loads.

	RainBird Ref	Description	Price
	VBA17186	Round Irrigation Hydrant, 3/4" valve	£34.76
	VBA02672	7" Round Valve Box with bayonet-type cover - Ø20 base x Ø16 lid x H24cm	£7.40
	VBA02673	10" Round Valve Box with clip-on cover - Ø33.5 base x Ø24 lid x H25.5cm	£15.73
	VBA02674	Standard Rectangular Valve Box with bolt lock cover - L50.5 x W37 x H30.5cm	£36.98
	VBA02675	Jumbo Rectangular Valve Box with bolt lock cover - L63 x W48 x H30.5cm	£59.06

GARDEN VALVE BOX EXTENSIONS

An extension to make the inside of the box deeper to provide more space for pipes.

	RainBird Ref	Description	Price
	VBA02676	Extension less cover for standard rectangular valve box (VBA02674) - L39.5 x W27 x H18cm	£20.42
	VBA07777	Extension less cover for jumbo rectangular valve box (VBA02675) - L55 x W38 x H19cm	£27.95



Replacement valve box lids are available should the original get damaged or lost.

IRRIGATION PIPE



LATERAL GARDEN 16MM TUBE

A tube used extensively in garden watering systems however, it does not cope with mains pressure. For use downstream of taps or solenoid valves and connect to microsprinklers or dripline.

Features

- UV resistant, low density polyethylene material
- Operating water pressure rating: up to 4 bar
- 100% crack resistant
- Black carbon = 2%
- Accepts any RainBird 16mm barb insert fittings, universal fittings and lock-type fittings

RainBird Ref	Description	Price
DBL100	16mm Black Tubing – 100m coil	£69.20

BLACK PE PRESSURE PIPE

Predominantly used on landscape projects as well as golf courses and sports pitches, this pipe is easy to use, cost-effective and extremely resilient with a lifespan up to 20 – 50 years.

All sizes, PE100, SDR11, 16 bar pressure-rated.

RainBird Ref	Pipe Diameter	Length	Price
N/A	20mm	50m coil	£55.81
N/A		100m coil	£111.60
N/A	25mm	50m coil	£68.05
N/A		100m coil	£136.09
N/A	32mm	6m straight length	£13.56
N/A		50m coil	£112.97
N/A		100m coil	£225.92
N/A	50mm	6m straight length	£31.36
N/A		25m coil	£130.65
N/A		50m coil	£261.30
N/A		100m coil	£522.60
N/A	63mm	6m straight length	£49.66
N/A		25m coil	£206.86
N/A		50m coil	£413.73
N/A		100m coil	£827.46

HANSEN NYGLASS THREADED FITTINGS

A range of fittings constructed of glass reinforced nylon, providing exceptional strength and durability. These can be used in solenoid manifolds as well as any other applications where a versatile, strong threaded fitting is required. Male threaded fittings have barrel threads.

	RB Ref	Product	Description	Price		RB Ref	Product	Description	Price
	N/A	Threaded Tees	½" BSP	£3.34		N/A	Reducing Hex Sockets	¾" x ½" BSP	£2.66
			¾" BSP	£4.02				1" x ½" BSP	£3.29
			1" BSP	£5.13				1" x ¾" BSP	£3.29
			1¼" BSP	£5.68				1¼" x 1" BSP	£4.02
			1½" BSP	£6.92				1½" x 1" BSP	£4.63
			2" BSP	£10.12				1½" x 1¼" BSP	£4.63
	N/A	Threaded Elbows	½" BSP	£2.92		N/A	Reducing Bushes	½" x ¼" BSP	£2.31
			¾" BSP	£3.34				¾" x ½" BSP	£2.02
			1" BSP	£4.02				1" x ¾" BSP	£2.45
			1¼" BSP	£4.37				1¼" x 1" BSP	£2.92
			1½" BSP	£5.42				1½" x ¾" BSP	£4.08
			2" BSP	£7.81				1½" x 1" BSP	£3.92
	N/A	Hex Nipples	½" BSP	£1.16		N/A	Threaded Caps (thread inside)	½" BSP	£1.53
			¾" BSP	£1.47				¾" BSP	£1.76
			1" BSP	£1.76				1" BSP	£2.13
			1¼" BSP	£2.45				1¼" BSP	£3.23
			1½" BSP	£2.84				1½" BSP	£3.84
			2" BSP	£3.79				2" BSP	£4.87
	N/A	Equal Sockets	½" BSP	£1.95		N/A	Threaded Plugs (thread outside)	½" BSP	82p
			¾" BSP	£2.66				¾" BSP	92p
			1" BSP	£3.29				1" BSP	£1.16
			1¼" BSP	£4.02				1¼" BSP	£1.45
			1½" BSP	£5.13				1½" BSP	£1.81
			2" BSP	£6.89				2" BSP	£2.60
	N/A	Male x Female Elbows	½" BSP	£2.92		N/A	Threaded Barrel Unions	½" BSP	£9.60
			¾" BSP	£3.34				¾" BSP	£23.62
			1" BSP	£4.02				1" BSP	£23.96
			1¼" BSP	£5.55				1¼" BSP	£28.14
			1½" BSP	£6.42				1½" BSP	£30.53
			2" BSP	£8.49				2" BSP	£37.16
	N/A	Reducing Hex Nipples	¾" x ½" BSP	£1.47		N/A	Threaded Tank Outlets (16 bar)*	¾" BSP	£8.10
			1" x ½" BSP	£1.76				1" BSP	£9.68
			1" x ¾" BSP	£1.76				1¼" BSP	£14.57
			1¼" x ¾" BSP	£2.45				½" BSP	£19.25
			1¼" x 1" BSP	£2.45				2" BSP	£24.35
			1½" x ¾" BSP	£5.36					
			1½" x 1" BSP	£5.36					
			1½" x 1¼" BSP	£5.36					
			2" x 1" BSP	£7.15					
			2" x 1½" BSP	£7.15					




*Complete with 2 rubber gaskets and large flanges. Simple drill a hole through the tank wall, thread the fitting through and tighten the tank outlet nut to provide you with a threaded connection inside and outside the tank.

GF+ COMPRESSION FITTINGS FOR PE PIPE

A fast and easy installation item with a lip gasket, high pull-out resistance which are safe and extremely reliable.

Because the lip gasket gets compressed within the fitting when the blue nut is tightened, the pipe is easily inserted into the fitting. Once the lip seal presses the lip gasket, it becomes extremely difficult to pull apart even under extreme pressure. General Pressure Rating: 16 bar

	RB Ref	Product	Size	Price
	N/A	Plain Couplers: Use to join two straight lengths of PE pipe of same diameter	25mm	£4.20
			32mm	£7.82
			40mm	£12.74
			50mm	£18.92
			63mm	£27.36
	N/A	Slip Repair Couplers: Use to repair broken pipe. There is no internal ridge so the fitting will slide over easily	25mm	£7.18
			32mm	£11.77
			40mm	£19.02
			50mm	£26.17
			63mm	£30.79
	N/A	Reducing Couplers: Use to change from one pipe size to another in a straight line.	25mm x 20mm	£6.88
			32mm x 20mm	£9.09
			32mm x 25mm	£9.09
			40mm x 25mm	£15.49
			40mm x 32mm	£15.49
			50mm x 32mm	£20.07
			50mm x 40mm	£20.07
			63mm x 32mm	£28.48
			63mm x 40mm	£28.48
63mm x 50mm	£28.48			
	N/A	Plain Tees: Use to branch off your main direction. All outlets are the same size.	25mm	£8.75
			32mm	£14.19
			40mm	£23.43
			50mm	£31.69
			63mm	£45.14
	N/A	90° Plain Elbows: Use to join two lengths of pipe in a 90 degree corner.	20mm	£5.55
			25mm	£7.23
			32mm	£10.25
			40mm	£16.77
			50mm	£23.75
63mm	£29.34			
	N/A	Plain Reducing Tees: Use to branch off from main pipes in a different size.	25mm through x 20mm branch	£10.77
			32mm through x 25mm branch	£13.82
			40mm through x 32mm branch	£23.43
			50mm through x 40mm branch	£31.69
			63mm through x 50mm branch	£41.77

	RB Ref	Product	Size	Price
	N/A	Female Threaded Tees: Allows an offtake from the through-pipe for a male threaded fitting to connect in to.	25mm x 1/2" BSP	£8.51
			25mm x 3/4" BSP	£8.51
			25mm x 1" BSP	£9.36
			32mm x 1/2" BSP	£11.24
			32mm x 3/4" BSP	£10.92
			32mm x 1" BSP	£10.92
			40mm x 3/4" BSP	£21.91
			40mm x 1" BSP	£20.07
			40mm x 1 1/4" BSP	£20.07
			40mm x 1 1/2" BSP	£20.07
			50mm x 1" BSP	£26.80
			50mm x 1 1/2" BSP	£26.80
			50mm x 2" BSP	£30.06
	N/A	90° Female Elbows: This allows a pipe to come in one side and then a female thread to come out at a 90° angle.	25mm x 1/2"	£5.49
			25mm x 3/4"	£5.40
			25mm x 1"	£5.40
			32mm x 1/2"	£7.41
			32mm x 3/4"	£7.15
			32mm x 1"	£7.15
			32mm x 1 1/4"	£10.14
			40mm x 3/4"	£14.19
			40mm x 1"	£13.82
			40mm x 1 1/4"	£13.82
			40mm x 1 1/2"	£13.82
			50mm x 1"	£18.49
			50mm x 1 1/4"	£18.49
50mm x 1 1/2"	£18.49			
50mm x 2"	£18.49			
63mm x 1 1/4"	£25.07			
63mm x 1 1/2"	£25.07			
63mm x 2"	£25.07			
		90° Male Elbows: This allows a pipe to come in one side and then a male thread to come out at a 90° angle.	32mm x 1"	£5.30
			40mm x 1"	£9.60
			40mm x 1 1/4"	£9.60
			40mm x 1 1/2"	£9.60
			50mm x 1 1/2"	£13.14
			63mm x 2"	£18.25

GF+ COMPRESSION FITTINGS FOR PE PIPE

	RB Ref	Product	Size	Price
	N/A	Female Straight Couplers: Allows an offtake from the through-pipe for a male threaded fitting to connect in to.	25mm x 1/2"	£3.41
			25mm x 3/4"	£4.36
			25mm x 1"	£4.36
			32mm x 3/4"	£5.51
			32mm x 1"	£5.51
			40mm x 1"	£9.09
			40mm x 1 1/4"	£10.88
			40mm x 1 1/2"	£10.88
			50mm x 2"	£13.98
			63mm x 1 1/2"	£19.59
63mm x 2"	£19.59			
	N/A	End Caps: Use to terminate the end of a pipeline.	20mm	£3.68
			25mm	£4.79
			32mm	£5.78
			40mm	£9.77
			50mm	£14.45
			63mm	£19.59

	RB Ref	Product	Size	Price
	N/A	Male Straight Couplers: The pipe comes into the fitting; a male thread is on the other end facing straight through.	25mm x 1/2"	£4.20
			25mm x 3/4"	£4.20
			25mm x 1"	£4.20
			32mm x 3/4"	£5.42
			32mm x 1"	£5.42
			40mm x 1"	£9.88
			40mm x 1 1/4"	£9.88
			40mm x 1 1/2"	£9.88
			40mm x 2"	£10.41
			50mm x 1"	£12.93
			50mm x 1 1/4"	£12.93
			50mm x 1 1/2"	£12.93
			50mm x 2"	£12.93
			63mm x 1 1/2"	£18.49
63mm x 2"	£18.49			
		GF+ Installation Tools: Use to terminate the end of a pipeline.	For fittings 20 – 40mm	£16.23
			For fittings 20 – 75mm	£86.30
			For fittings 63 – 110mm	£119.81

GF+ SADDLES FOR PE PIPE

A simple and effective way to connect a sprinkler's swing joint to a pipeline. Simply slide the bottom piece under the pipe and the top piece over the pipe, ensuring the o-ring is in place, then tighten with the bolts provided. Then use a drill bit to make a hole in the pipe – this provides a BSP female thread where you can connect your swing joint or threaded offtake.

RB Ref	Type	Size	Price
N/A	Saddles for 20mm PE Pipe with stainless steel bolts	1/2"	£11.20
N/A		3/4"	£11.20
N/A	Saddles for 32mm PE Pipe with stainless steel bolts	1/2"	£11.89
N/A		3/4"	£11.89
N/A		1"	£12.07
N/A	Saddles for 50mm PE Pipe with stainless steel bolts	1/2"	£17.74
N/A		3/4"	£17.74
N/A		1"	£17.74
N/A		1 1/4"	£20.18
N/A	Saddles for 63mm PE Pipe with stainless steel bolts	1/2"	£20.22
N/A		3/4"	£20.22
N/A		1"	£20.22
N/A		1 1/4"	£20.86
N/A		1 1/2"	£20.86




Choose saddle size based on your pipe diameter and the BSP offtake diameter.

HOSES, REELS AND CLAMPS




GALAXY HAND-WATERING HOSE

These hoses are ideal for spot-watering greens and sports pitches as well as washing down. A highly flexible and kink resistant hose which is constructed of 6 layers, including 2 reinforcement layers and a high pressure braided layer.

	RB Ref	Description	Size	Price
	N/A	13mm Galaxy Hand Watering Hose	13mm x 25m roll	£38.71
			13mm x 50m roll	£76.09
		20mm Galaxy Hand Watering Hose	20mm x 50m roll	£129.39
			20mm x 100m roll	£257.40
		25mm Galaxy Hand Watering Hose	25mm x 50m roll	£217.55
			25mm x 100m roll	£435.11


HOSE REELS

A range of hose reels for large landscape projects as well as golf courses and sports pitches. Attachments can be changed to suit the hose diameter.

	RB Ref	Description	Price
	N/A	Mid-Sized Hose Reel – fits 100m of 19mm hose	£177.51
	N/A	Mega Wall-Mounted Hose Reel c/w 20m of ½" hose and fittings	£173.80
	N/A	Mega Hose Reel – fits 270m of 12mm hose	£394.08










HOSE CLAMPS

A range of hose clamps suitable for large landscape installations, golf course and sports pitches. These can be changed/alterd to suit hose diameter.

	RB Ref	Description	Size	Price
	N/A	Worm Drive Hose Clamp	12mm x 20mm for ½" hose	£1.09
			16mm x 25mm for ½" hose	£1.30
			20mm x 32mm for ¾" hose	£1.33
			25mm x 40mm for 1" hose	£1.40

IMPACT SPRINKLERS AND SPRINKLER STANDS

Both plastic and brass counterparts available as well as ½" BSP and ¾" BSP. These are compatible with our Galaxy Hose range to connect sprinklers and stands to your water supply.

	RB Ref	Description	Price		RB Ref	Description	Price
	N/A	NaanDan 427 Plastic Impact Sprinkler ½" BSP part and full circle in the same sprinkler	£10.63		N/A	½" BSP RainBird Brass Impact Sprinkler Part and full circle in the same sprinkler with a preinstalled size 10 nozzle	£49.06
	N/A	Maxi Bird 2045PJ08 ½" Plastic Impact Sprinkler Part and full circle in the same sprinkler	£32.06		N/A	RC135 Brass PC/FC Impact Sprinkler – ½" BSP female part and full circle in the same sprinkler	£64.00
	N/A	NaanDan 5035 Plastic Impact Sprinkler ¾" BSP part and full circle in the same sprinkler	£16.62		N/A	Galvanised Sprinkler Sled ¾" BSP inlet/outlet	£47.22
	N/A	NaanDan 423 Brass Impact Adjustable Arc Sprinkler ½" BSP c/w 4mm nozzle	£22.91		N/A	Steel Tripod 600mm high with ¾" BSP inlet	£50.25
	N/A	NaanDan 423 Brass Impact Adjustable Arc Sprinkler ½" BSP c/w 3.2mm nozzle	£22.91				

Please note that ¾" sprinklers use significantly more water than ½".

BRASS QUICK CONNECT HOSE FITTINGS

A popular range of fittings which are often placed in solenoid valve boxes as they are a quick and easy method to connect a hose to a tap.

	RB Ref	Product	Size	Price
	N/A	Quick Connect Brass Hose Tail	13mm (1/2")	£2.46
			19mm (3/4")	£2.63
			25mm (1")	£3.24
			32mm (1 1/4")	£4.17
			40mm (1 1/2")	£6.32
	N/A	Quick Connect Brass Swivel Hose Tail	13mm (1/2")	£5.61
			19mm (3/4")	£5.61
			25mm (1")	£5.78
	N/A	Quick Connect Brass Male Threaded Connector	13mm (1/2")	£2.46
			19mm (3/4")	£2.46
			25mm (1")	£2.63
			32mm (1 1/4")	£4.17
			40mm (1 1/2")	£4.31
	N/A	Quick Connect Brass Female Threaded Connector	13mm (1/2")	£2.46
			19mm (3/4")	£2.46
			25mm (1")	£2.63
			32mm (1 1/4")	£4.17
			40mm (1 1/2")	£4.31
	N/A	Quick Connect Brass LONG Female Threaded Connector	13mm (1/2")	£2.84
			19mm (3/4")	£3.38
			25mm (1")	£3.55
	N/A	Quick Connect Blind Coupler Cap	N/A	£2.63
	N/A	Quick Connect 3-way Brass Quick Coupler	N/A	£11.46
	N/A	Quick Connect with Compression Hose Adaptor	13mm	£12.78
			19mm	£14.53
	N/A	Brass Hose Click-on Joiner	N/A	
		Brass Tap Connector (BSP female)	1/2" BSP female threaded with click-on male	£3.10
			3/4" BSP female threaded with click-on male	£3.57
			1" BSP female threaded with click-on male	£4.26

BRASS QUICK CONNECT HOSE FITTINGS

	RB Ref	Product	Size	Price
	N/A	Brass Tap Connector (BSP male)	½" BSP male threaded with click-on male	£3.42
			¾" BSP male threaded with click-on male	£3.42
	N/A	Brass Click-on Adaptor (BSP male)	¾" BSP male threaded with click-on female	£13.04
	N/A	Brass Click-on Connector	13mm Hose Adaptor	£11.36
			19mm Hose Adaptor	£15.04
	N/A	Brass Double Hose Tail	13mm	£2.48
			19mm	£3.57
			25mm	£7.10
	N/A	Worm Drive Hose Clamp	12mm x 20mm for ½" hose	£1.68
			20mm x 32mm for ¾" hose	£2.04
			25mm x 40mm for 1" hose	£2.15
	N/A	Steel Hose Clamp	40mm x 50mm	£3.20



QUICK COUPLING VALVES FOR HAND WATERING

An effective manual watering point which is installed underground. The lid is just under the surface and a key is inserted into the valve when hand watering is required.

RB Ref	Description	Price
N/A	RainBird Plastic Quick Coupling Valve c/w ¾" male threaded base	£21.01
	RainBird Key for Plastic Valve c/w ¾" male threaded swivel elbow at its top	£4.41

SPRINKLER HOSE

A perforated flat sprinkler hose which produces a fine spray suitable for irrigation garden beds and private lawns. This is suitable for fragile plant watering with the spray droplets being so fine.

Each roll is supplied with a hose connector at the start and a threaded cap at the end

RB Ref	Description	Price
N/A	Hozelock Sprinkler Hose – 7.5 metres long	£37.25
N/A	Hozelock Sprinkler Hose – 15 metres long	£48.95

FILTERS



LARGE CAPACITY FILTER

This filter is used to protect sprinklers and solenoid valves from debris. For pipeline diameters 1", 1½" and 2", the screen filter elements are best for solid debris (grit) and the disc filter elements are better for organic debris (slime and insect larvae). These filters are designed for large landscape irrigation systems and at least one should be installed in each system to protect all hardware from debris damage.

Features

- Provides extra filtration capacity for residential, commercial and municipal applications
- Durable filters can be conveniently removed for cleaning
- Disc filters can decompress for straight-forward cleaning
- Auxiliary connection with a threaded cap can be drilled to allow draining/depressurisation
- Stainless steel screen filter with plastic filter discs

FLOW INDICATING BASKET FILTER

Suitable for landscape irrigation; the flow indicating basket filter provides several inputs in one single device:

- Filtration – to 100 microns (0.1mm); sufficient for dripline and microsprinkler systems
- Flow Indication – it reads the actual flow rate in litres per month and shows the reading on a large, easy-to-read display
- Adjustable Dial – by adjusting the dial at the top of the flow rate display, it can be set to show the flow rate once installed. Further down the line, a higher flow rate may indicate leaks opposed to a lower flow rate which may suggest the system is blocked or needs flushing
- Upright Filter Basket – this filter has an easy to remove and clean filter basket included
- 2.8 bar (40psi) Pressure Regulation – to protect the system, the in-built pressure regulator maintains the system will not go above 2.8 bar

The average flow rate range of this filter is 11.7 – 75 litres/minutes (700 – 4500 litres/hour).

RainBird Ref	Description	Price
ILCRBY100S	1" Large Capacity Screen Filter – 30 micron with BSP threads	£12.26
ILCRBY150S	1½" Large Capacity Screen Filter – 130 micron with BSP threads	£36.48
ILCRBY200S	2" Large Capacity Screen Filter – 130 micron with BSP threads	£39.24

RainBird Ref	Description	Price
IFLOW100	Flow Indicating Basket Filter (16.5cm (L) x 17.3cm (H) x 8.8cm (W)) includes 100 micron filter element and flow indicating dial and pressure regulation to 2.8 bar	£67.91

PRESSURE REGULATING FILTERS



LANDSCAPE PRESSURE REGULATING FILTER

For use with drip irrigation systems directly downstream of solenoid valves to protect the system from both debris and excess pressure. The body and cap are constructed of glass-filled polypropylene and have a 10.3 bar pressure rating. This filter element is 200 micron (0.2mm) in both sized units.

- Inlet Pressure Range: 1.4 to 10.3 bar
- Outlet Pressure: ¾" inlet unit 2.1 bar downstream pressure
1" inlet unit 2.8 bar downstream pressure

Features

- Reduces the number of components within a control zone
- Combination unit comes with 200 mesh stainless steel
- Static RBY filter regulates pressure to a nominal 30 or 40psi
- The 30 or 40 psi pressure regulator is integrated within the filter body
- The body and cap are extremely robust and are made from glass-filled polypropylene which provides a 150psi pressure rating



GARDEN CONTROL ZONE START-UP KITS

An effortless kit which contains both a solenoid valve plus pressure regulating filter available in 24 volt ac for standard irrigation controllers or 9 volt FC for the RainBird TBOS battery-operated controller. This kit protects your entire system from unwanted debris and pressure.

- Pressure range: 1.4 to 10.3 bar
- Flow on ¾" unit: minimum 45 l/h, maximum 1136 l/h
- Flow on 1" unit: minimum 681 l/h, maximum 3407 l/h
- Regulated pressure ¾" unit: 2 bar
- Regulated pressure 1" unit: 2.8 bar

RainBird Ref	Description	Price
PRF075RBY	¾" Pressure Regulating Filter RBY	£22.40
PRF100RBY	1" Pressure Regulating Filter RBY	£24.59

RainBird Ref	Description	Price
XCZ075PRF	Drip Control Zone Kit ¾" c/w 24 vac solenoid valve and pressure regulating filter	£45.63
XCZ100PRF	Drip Control Zone Kit 1" c/w 24 vac solenoid valve and pressure regulating filter	£41.92
ICZ075TBOS	Drip Control Zone Kit ¾" c/w 9 volt DC latching solenoid valve, pressure regulating filter for the TBOS-BT and WPV battery controllers	£71.87
IXZ100TBOS	Drip Control Zone Kit 1" c/w 9 volt DC latching solenoid valve, pressure regulating filter for the TBOS-BT and WPV battery controllers	£66.67

DEWATERING AND SUMP PUMPS

A handy product to empty water from a hole or sump.



For illustrative purposes only. RainBird model not shown.

DEWATERING AND SUMP PUMPS

A practical solution for emptying swimming pools, fish ponds, excavations and underpasses. Sump pumps are designed to pump large volumes of water for short periods. The volume pumped is affected by how high the water needs to be pumped – generally pumping a short distance with little to no lift.

With a technopolymer body, stainless steel motor, rotor shaft, bolts, screws and a threefold seal; these pumps remain extremely watertight. Each pump comes with a reducing-barbed outlet to connect your flexible hose to, this is positioned at the top of the pump and is able to pump down to a water level of 15mm when in a manual operation. The pump has an internal float, strong handle and is an easy, efficient and lightweight product to use.

Features

- Can be used in an automatic or manual mode
- Operating range: from 1 to 10m³/h with head up to 9 metres
- Pumped liquid: dirty water without fibres
- Pumped priming limit: 10 – 15mm in manual operation
- Liquid temperature range: from 0°C to +35°C for domestic use
- Outlet: vertical 1" ¼ F plus hose fitting
- Maximum immersion depth: 7 metres



ACCESSORIES

RainBird Ref	Description	Price
N/A	DAB Verty Nova 200M Sump Pump – 0.3kW power requirement 3 metre lift @ 100 litres/minute flow 6 metre lift @ 33 litres/minute flow	£214.00
N/A	DAB Verty Nova 400M Sump Pump – 0.6kW power requirement 6.5 metre lift @ 100 litres/minute flow 8.5 metre lift @ 33 litres/minute flow	£240.00

	RB Ref	Description	Price
	N/A	Flexible suction/delivery Hose 25mm (1") diameter c/w ribs for strength - rated to 5 bar pressure.	£5.00/m

Order online at www.green-tech.co.uk or email sales@green-tech.co.uk 47

IRRIGATION PUMPS AND ACCESSORIES

A range of pumps, pump controllers and pressure tanks and gauges.

For landscape irrigation applications, there are two main types of pumps; a surface mounted pump which sits outside the storage tank in a small pump shed and a submersible pump which hides inside the water storage tank.



DAB AQUAJET LANDSCAPE SURFACE PUMP

Aquajet saves time as all required components are in one tidy set which can be connected outside the water storage tank. This set includes a 20 litre GWS expansion vessel, pressure switch, pressure gauge and fitting kit which is all pre-assembled.

RainBird Ref	Description	Price
N/A	DAB Aquajet Pump Set 0.85kW 45 litre/minute capacity @ 3 bar 60 litre/minute capacity @ 2.5 bar 1" BSP inlet and outlet	£483.00
N/A	DAB Aquajet Pump Set 1.4kW 35 litre/minute capacity @ 4 bar 60 litre/minute capacity @ 2.5 bar 1" BSP inlet and outlet	£639.00



DAB DTRON AUTOMATIC SUBMERSIBLE PUMP

A submerged pump which contains an automatic pump start/pump stop controller with dry-run protection and a small in-built pressure vessel. This pump replaces many individual components making it an easy, simple to install and extremely versatile option.

RainBird Ref	Description	Price
N/A	DAB DTron Submersible Pump 0.9kW 80 litre/minute capacity @ 2 bar 40 litre/minute capacity @ 3 bar 1 1/4" BSP inlet Automatic turn on and/or off on demand	£734.00

PRESSURE TANKS

An enclosed vessel that holds liquids at a higher pressure than normal air pressure. Most suitable for domestic and landscape applications.

Features

- Single diaphragm design
- CE/PED, WRAS, ACS and ISO:9001 approved
- Patented stainless steel water connection
- Leak free, o-ring sealed air valve cap
- Virgin polypropylene liner

	RB Ref	Description	Price
	N/A	DAB Horizontal Pressure Tank 20 litre capacity, 1" inlet	£88.00
	N/A	DAB Vertical Pressure Tank 20 litre capacity, 1" inlet	£70.00
	N/A	DAB Vertical Pressure Tank 100 litre capacity	£500.00

PRESSURE GAUGES

Provides an insight into the pressure levels and can be installed each side of a filter to see when the filter is getting blocked.

Features

- Bottom entry
- Dual scale (bar/psi)
- Stainless steel case and bezel with plastic window
- Designed to EN837-1
- Temperature: 150°C

	RB Ref	Description	Price
	N/A	Axial Pressure Gauge, bottom entry, 12 bar, 1/4" BSP male inlet	£38.00

IRRIGATION PUMPS AND ACCESSORIES



DAB SMART PRESS PUMP CONTROLLER

This pump controller has dry-run protection, adjustable cut-in pressure and can automatically turn a pump on or off without an expansion vessel. Connect directly to the outlet of a 240 vac pump and it will automatically turn on and off when a solenoid valve turns on or a manual watering point is opened.

RainBird Ref	Description	Price
N/A	DAB Smart Press Mini Pump Controller WG1.5 1" BSP male inlet (connecting to the pump) x 1/4" BSP female outlet For pumps up to 1.5HP	£126.00

FLOAT KEY

Use to turn a pump on and off to fill a water storage tank, control a solenoid valve to open and close or to turn an irrigation pump off should the water level within the tank gets low.

Connect the key end anywhere inside the water storage tank so it can rise and fall with the water levels. When the key is hanging vertically downwards, it will click and allow the contacts to activate your filling pump or to turn the pump off to prevent damage.

RB Ref	Description	Price
N/A	DAB Float Key c/w 15 metres of cable	£127.00



DAB ACTIVE DRIVER PLUS VARIABLE SPEED DRIVE (INVERTER) PUMP CONTROLLER

A pump controller suitable for 240 vac horizontal multi-stage pumps. This controller makes the pump turn on and off based on downstream pressure using an in-built pressure transducer. This is an economic professional pump controller that will turn the pump off in the event of no water.

RainBird Ref	Description	Price
IRR-ADP1.1	DAB Active Driver Plus Inverter for motors up to 1.1kW single phase 1/4" BSP male x outlet 1/2" BSP female	£658.00
IRR-ADPMT2.2	DAB Active Driver Plus Inverter for motors up to 2.2kW single phase power supply to operate a 3-phase motor 1/4" BSP male x outlet 1/2" BSP female	£1,258.00

ACCESSORIES

RB Ref	Description	Price
N/A	Braided Steel Hose 1" BSP x 60cm c/w female elbow	£22.20



For more information on our range of irrigation pumps and accessories, please contact your Technical Sales Advisor.

POND PUMPS

A selection of pond pumps to create fountains, waterfalls and weirs.



POND PUMPS

Suitable for ponds where an aerator pump is required. These pumps move large amounts of water so suit large pond applications where a flowing stream of water is needed.

The DAB Pond Pump is designed for continuous operation; it sits at the bottom of the pond and the 2 different models provide different water delivery and pump height. The pump can have particles up to 10mm diameter pass through it however this can be adapted to 5mm should you have any concerns about wildlife such as fish.

The 0.2kW pond pump requires 200 watts of power and will pump 100 litres of water every minute to a height of 2 metres.

The 0.55kW pond pump requires 550 watts of power and will pump 100 litres of water every minute to a height of 7 metres or 200 litres of water every minute to a height of 2 metres.

Both models run on a 240 vac power supply and come with a 10 metre power cable.

Features

- Suitable for continuous operation
- Operating range: from 1 to 14m³/h with head up to 9.4 metres
- Pumped liquid: clean water, without fibres and with particles with maximum diameter of 10mm
- Liquid temperature range: from 0°C to +35°C
- Maximum immersion depth: 7 metres



An environmentally safe pond pump supplied with a power cable and plug for both horizontal and vertical installation.

RainBird Ref	Description	Price
N/A	0.2kW Pond Pump – output 100 lpm up to 2 metres high, suitable for continuous operation	£256.00
N/A	0.55kW Pond Pump – output 100 lpm up to 7 metres high, suitable for continuous operation	£366.00

50 For more information please call **01423 332 100**

WATER STORAGE TANKS

A range of water storage tanks for small garden projects to large landscape irrigation projects.

Our range of water storage tanks are suitable for small garden projects with our smallest option being a 1,000 litre tank, or large landscape projects with our largest option being a 30,000 tank. Installing multiple tanks in parallel at the same ground level is an option should you require more than 30,000 litres.

These polypropylene tanks are fully enclosed with a screwed vented manhole lid. They are cost-effective, quick and simple to install, rust proof and long-lasting.

	RainBird Ref	Description	Price		RainBird Ref	Description	Price
	N/A	1000 Litre Rectangular Slimline Tank – 1350mm long x 760mm deep x 1300mm high	£296.80		N/A	10,000 Litre Water Storage Tank – 2400mm diameter x 2500mm high	£1,155.00
	N/A	1000 Litre Water Storage Tank – 980mm diameter x 1600mm high	£265.00		N/A	20,000 Litre Water Storage Tank – 2850mm diameter x 3600mm high	£2,226.00
	N/A	2000 Litre Water Storage Tank – 1200mm diameter x 1960mm high	£296.80		N/A	30,000 Litre Water Storage Tank – 3450mm diameter x 3650mm high	£3,869.00
	N/A	5000 Litre Water Storage Tank – 1900mm diameter x 2300mm high	£689.00	<p>Please note: these water storage tanks are not suitable for potable drinking water.</p>			



For illustrative purposes only. RainBird model not shown.

WATER STORAGE TANK ACCESSORIES



TANK OUTLET

Ideal for making holes through tanks to supply water feed. This provides a waterproof BSP thread inside and outside the tank.

RainBird Ref	Description	Price
N/A	Hansen Tank Outlet with male x female 1" BSP thread 16 bar	£9.68
N/A	Hansen Tank Outlet with male x female 2" BSP thread 16 bar	£24.35



FLOAT VALVES FOR TANKS

Float Valves are used to control the amount of water filling your water storage tank. Larger diameter float valves will enable a greater flow rate. Please note – the plastic ball float is not included.

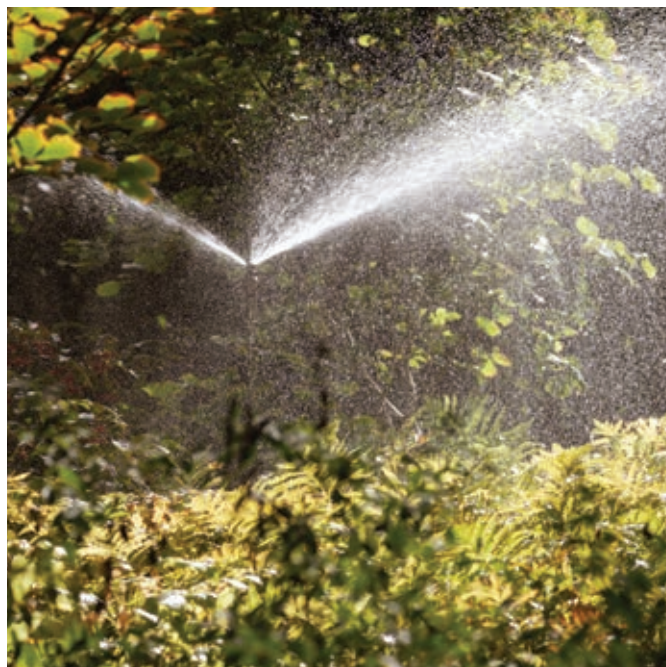
RainBird Ref	Description	Price
N/A	1" BSP 6 bar for water storage tanks	£40.31
N/A	2" BSP 6 bar for water storage tanks	£158.46



PLASTIC BALL FLOAT

A plastic float ball with a brass insert which connect to our range of float valves. This float protects the fluid in the tank against vaporisation without obstructing access to the tank.

RainBird Ref	Description	Price
N/A	150mm ball	£8.17



Please contact us for further advice on your water storage requirements.

52 For more information please call **01423 332 100**

Determining the volume of water storage required

In the majority of irrigation projects, water needs to be stored during the day and pumped in to the irrigation system at night. This is because the flow rate of water from your water is not enough to operate an irrigation system effectively.



With the installation of an irrigation pump, lawn sprinklers and garden dripline can operate at a higher flow rate as well as at the same time effectively and efficiently.

As it is illegal for pumps to suck directly out of the water mains supply, water needs to be stored in a water storage tank. Therefore, determining the size of the water tank needed for your irrigation system is vital and this is calculated by the size of the planted area that needs irrigating.

For gardens/lawns in the UK, the expected evaporation rate is 5mm which when multiplied by a crop-coefficient rate of 0.7, gives a replenishing rate of 3.5mm. This figure is the depth you will need to keep in mind when replenishing your lawn/garden, the rate will need to be multiplied by the size of the area that needs irrigating to give you an accurate figure for your project.



To work out the area, multiply the width of each lawn/garden in metres by its length. For example:

Section	Area	Total
Front Garden	7 metres wide x 8 metres long	56m ²
Rear Garden	3 metres wide x 15 metres long	45m ²
Side Hedge	1 metre wide x 10 metres long	10m ²
Front Lawn	4 metres wide x 6 metres long	24m ²
Rear Lawn	8 metres wide x 4.5 metres long	36m ²
Total area of all lawns/gardens:		171m²

Applying 3.5mm, so multiply the area x 3.5 = 598.5 litres

In the above example the irrigation system will need to be able to supply approximately 600 litres each night in the height of Summer. In this instance, a 600 litre tank is sufficient.



Please be aware that on delivery of water storage tanks, they must be unloaded onto a rock and sharp object free surface. Tanks should only be lifted when empty and make sure to avoid the weight of the tank resting on any fittings and do not roll the tank over the fittings.

When installing the tank, the surface must be smooth, level, firm and provide good support for the tank when filled. We recommend that the tank base is at least a minimum of 600mm (24") larger than the dimensions of the tank and that they have a minimum depth of:

- 102mm (4") for tanks up to 2500 litres
- 152mm (6") for tanks up to 10,000 litres
- 204mm (8") for tanks over 10,000 litres

Tanks can contract or expand due to temperature changes and atmospheric conditions so make sure to leave space around the perimeter for this as well as maintenance.

Before using your tank, make sure to test the installation by filling it with water before the unit is put into use.

POND FOUNTAINS AND AERATORS



DO YOU HAVE A NEED FOR A POND FOUNTAIN?

Are you looking to create a beautiful display while turning some water? Are you looking to manage an aquatic ecosystem?

Green-tech supply pond fountains and aerators to maintain the overall health and longevity of your pond. It is important to aerate a pond as it decomposes sludge more efficiently and provides oxygen to encourage the natural development of aerobic bacteria.

Benefits of Pond Fountains

- Provides constant movement and flow of water
- Improves overall water quality by increasing oxygen levels
- Quality, oxygenated water improves the health of plants
- Enhances the habitat for fish and wildlife
- Helps control and reduce excessive algae growth
- Removes bad odours

Benefits of Pond Aerators

- Improves water quality by reducing algae and removing phosphorus
- Helps break down unwanted bacteria and foul odours
- Circulates water to keep it aerated and fresh
- Maintains a consistent level of oxygen and keeps the pond at optimal oxygen level
- Removes toxic gasses and replaces with life-giving oxygen
- Enhances pond fish habitats



Green-tech supplies pond fountains and aerators – please contact your Technical Sales Advisor for more information.



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- Nationwide, flexible and next day delivery options
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- Renowned for our professional advice and excellent customer care

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Green-tech is the leading supplier of professional landscaping materials and consumables to the UK landscape, forestry and construction industries.

Our experienced and dedicated sales team is on hand Monday to Friday 8am – 5.30pm

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