



PROJECTS



Look for the grey labels in-store

Pop-up System

The basic fundamentals of a pop-up system and the products you need to get started.

Pop-ups are the ultimate water delivery system for your lawn and garden. Ideal for many different types of gardens, they can be used to water grass areas, flower beds and borders.

- ✓ Perfect for automating summer watering
- ✓ Concealed when not in use
- ✓ Maximise water efficiency



FEATURING

Pope Professional Pop-up

- Use with 19mm poly fittings
- 50mm pop-up height
- Fixed spray pattern
- Low maintenance
- 3-4m radius

Available in:



1/4 Circle
Nozzle



1/2 Circle
Nozzle



3/4 Circle
Nozzle



Full Circle
Nozzle



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To get started, you'll need:

System layout



19mm x 15mm
Elbow fittings



19mm x 15mm
Tee fittings



Loc-Sure
Clamps



Poly pipe



Your choice of
Pop-up sprinklers

Water source connection



Solenoid Valve



25mm Director



25mm Nipple



Manifold



Valve Box



Before you start, calculate your flow rate!

It's important to calculate your flow rate to determine how many pop-ups you can run in one zone.

1. Place a bucket under the tap and turn it on fully.
2. Time how long it takes to fill the bucket.
3. Use this formula: $60 \div (\text{seconds to fill bucket}) \times (\text{bucket size in litres})$
= your flow rate in Litres per minute

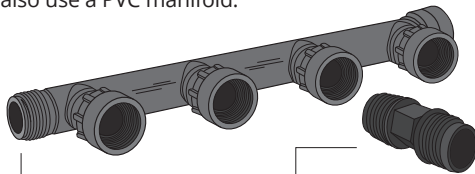


Scan to use our
online calculator

1. Connect water source

To connect your water source, we recommend using a solenoid system for easy automation.

The below shows a poly manifold, but you can also use a PVC manifold.



Manifold

Connects the water source to the solenoid valve. Available in multiple outlets.

25mm Nipple

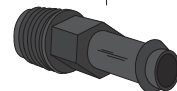
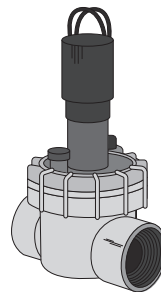
A threaded fitting that connects the manifold to the solenoid.

Solenoid Valve

Acts like a gate to control the flow of water into your system.

25mm x 19mm Director

Connects the solenoid valve to your poly pipe with a locking clamp.



2. Lay out your system



Dig the trenches

Shovel shallow trenches in your lawn for the poly pipe, about 100-150mm deep.

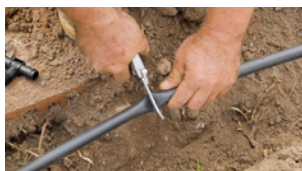


Lay the poly pipe

Lay the poly pipe inside the trenches.



To hold the poly pipe in place, you can pack some dirt on top, or use something heavy like a brick.



Add poly fittings

You can cut the poly pipe and add Tee or Elbow fittings to create your system layout.



Secure the poly fittings in place with Loc-Sure clamps, using pliers to tighten.



Secure to water source

Use a Loc-Sure clamp to secure the end of the poly pipe to the director connected to the solenoid valve.

2. Add sprinklers

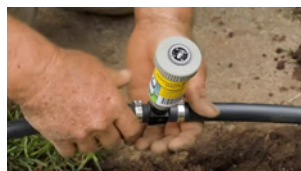


Add threaded fittings

Cut poly pipe again at the location of each pop-up.



Add 19mm threaded Tee or Elbow fittings and secure with Loc-Sure clamps.



Screw pop-up onto the threaded fittings. You may want to use thread tape for a tight seal.



Position the pop-up

Make sure the head of the sprinkler is level with the grade of dirt. Manipulate soil to ensure pop-up is upright.



Cover with grass

Cut a hole in your grass and position over the pop-up.



Flush system

Remove nozzle from pop-up furthest from water source, and power on system to clear the lines of debris. Replace nozzle and set watering schedule.

System setup tips



Flow control

If your spray heads are producing a mist instead of a spray, use the flow control on the solenoid valve to adjust and limit flow.



Fixed vs variable nozzles

Variable arc nozzles can be adjusted to match the shape of your garden. A fixed arc offers more precise water coverage and is recommended where possible.



System isolation

If you want to work on your system without shutting off mains water, we recommend installing an isolation valve before your manifold.

Pope Tip!

Plan ahead to get the right coverage

Head to head watering

For proper coverage, space your sprinklers so that the watering patterns overlap. Sprinklers must always be spaced at distances equivalent to their radius of throw. For example, if your sprinkler has a radius of 2m, you should place your sprinklers 2m apart, so that the edge of the "throw" touches the head of the next sprinkler.

Draw a plan so you'll know how many pop-ups and fittings you'll need. Remember the various spray patterns and note how many of each you'll need.



1/4 Circle



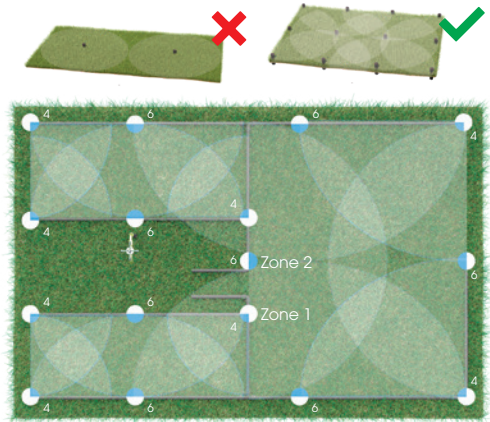
1/2 Circle



3/4 Circle



Full Circle



You may also like:

Risers

Ideal for watering hedges or taller shrubs. Risers are available in varying heights, and easily screw into a threaded Tee or Elbow fitting.



Shrub Adaptor

Ideal for overhead watering for taller plants, a Shrub Adaptor enables a sprinkler nozzle to be fitter to a poly riser.



Rotors

For larger turf areas, Rotors can be used instead of a pop-up sprinkler. Rotors offer a longer throw and require few stations.



Learn more about pop-ups at gardeningwithpope.com.au

