

# Planning Out Your Irrigation System

## 1. Choose the general layout of your irrigation system

- Locate your outdoor tap
- Note what parts of the garden you want to water
- Map the route of the main line hose
- Determine the quantity of 'T' & 'L' connectors you need

## 2. Determine the best watering system for you

- Vegetable plots, beds & Borders - Spectrum™ spike or Vari Jet®
- Hedging – In-line Pinch Dripper™
- Pots, hanging baskets & planters - Shrubber® Spike (End & In-line)
- Lawns, beds & borders – Impulse, 3 arm or spinner sprinkler

## 3. How many sprinkler heads do you need

To determine this first you need to know

- Your water pressure (average water pressure is 100 psi)
- The area you need to water (size of your beds & borders)
- Your choice of watering system

See chart below to determine water coverage of each individual sprinkler

Sprinkler Type	100 psi	150psi	200psi
Spectrum™	6.15m <sup>2</sup>	10.17m <sup>2</sup>	12.5m <sup>2</sup>
Vari Jet® with Spike	36.3m <sup>2</sup>	52.7m <sup>2</sup>	52.7m <sup>2</sup>
Shrubber®	0.13m <sup>2</sup>	0.28m <sup>2</sup>	0.63m <sup>2</sup>
Impulse Spinkler	28.3m <sup>2</sup>	113m <sup>2</sup>	452m <sup>2</sup>
3 Arm Spinkler	7m <sup>2</sup>	19.6m <sup>2</sup>	50m <sup>2</sup>
Spinner Sprinler	7m <sup>2</sup>	28m <sup>2</sup>	63.6m <sup>2</sup>

## 4. Other things you will need

- A hole punch for punching a hole in the main feed irrigation pipe
- A ¾" tap connector
- Hose pipe stakes to ensure hose is anchored to the ground
- End stopper / plug to close 16mm hose at end
- Shrubber®, Vari jets® & Spectrum™ require a 4mm feed irrigation pipe

## 5. Other features to consider

- If your water pressure is low you can choose to water individual areas of the garden at a time. Divide your system up using on/off valves
- For an automated system you can add a water timer to your 3/4" tap
- If you want to run your irrigation system from your water butt you could add a water pump to your system

## **6. Final Tips**

- Before setting out the irrigation pipe – leave it out in the sun for 4 hours giving it time to become more flexible & workable
- Use a Stanley blade to cut the 16mm & 4mm irrigation pipe
- When fixing connectors & sprinklers to the irrigation pipe you should heat the irrigation pipe to make it more workable