



HOME IRRIGATION


planning guide

WaterForce
wise with water


WaterForce custom-designs irrigation systems to suit your landscape and environmental conditions.

Our team of home irrigation experts understand the intricacies involved in designing an irrigation system and specialise in custom solutions for gardens of all shapes and sizes, from basic to state-of-the-art systems.


Installing an irrigation system through WaterForce will help you achieve:

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1 WATER EFFICIENCY

Ensuring your garden receives exactly the right amount of water.
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2 COMPLETE AUTOMATION

Your system will run by itself, freeing up more time to enjoy your garden.
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3 UNIFORMITY

The correct sprinkler placement, ensuring your entire garden stays green and healthy.

To get started, we'll first understand what your garden needs. This will include an assessment on your landscape, budget, time frame, water availability, volumes and pressures. We can then work with you, or your landscape architect, to design an irrigation system to help your garden flourish, as it should. We can supply all of the equipment you need to do it yourself, or we can fully or partially install it for you.

OUR PRODUCTS & SYSTEMS

Spray Systems

Suitable for flowerbeds, shrubs and ground cover. A spray nozzle is attached to a 'riser' (an upright stake which fits into your hose pipe). Risers come in varying heights and nozzles have different spray patterns and radiuses. Use 90° nozzles in corners, 180° along fence lines or retaining walls, and 360° nozzles out in the open.

Drip Systems

Ideal for shrubs, ground cover, pots or hanging baskets. Delivers water straight to the plant's root system with minimal run-off.

Water Saving Options

Wireless or hardwired sensors are available to detect rain, soil moisture and or sunshine levels to automatically adjust your irrigation accordingly.

Auto Controllers

These devices allow you to fully automate your system using a timer. Your garden will be watered regardless of whether or not you're home and you can easily comply with any local water restrictions. WiFi connected controllers available.

Pop-Up Systems

Perfect for watering your lawn. Conveniently hide these sprinklers just below the ground's surface and have them pop up when required. Choose from spray nozzles or pop-up rotors that dispense a steady stream of water in an adjustable arc (for very large lawns). Wide ranges of radiuses are available.

PLAN YOUR HOME IRRIGATION



STEP 1

SKETCH YOUR GARDEN

Use the grid provided in the back of this booklet to draw your garden to scale. One grid space could equal 1m or 2m – you decide. Make sure you include driveways, paths, paving stones, decks, pergolas, greenhouses, sheds and garages, as well as your actual garden beds, grass, trees, and water sources.



STEP 2

MEASURE YOUR WATER

To find out what capacity your new irrigation system can potentially handle, you must first calculate your water flow rate.

Grab your average 9L bucket and time how long it takes to fill with water. Use your main garden water source (not the kitchen sink) and turn the tap on full before you start the timer.

Then use the following formula below, to calculate your litres per minute (LPM).

Time to fill:	Litres per minute:
TIME	$9 \times 60 \div \text{TIME} = \text{LPM}$

Eg. Time to fill 9L bucket: 10 seconds. LPM: $9 \times 60 \div 10 = 54 \text{ LPM}$.



STEP 3

VISIT YOUR LOCAL WATERFORCE

Bring your garden sketch, water pressure information and list of preferred irrigation systems to your nearest WaterForce store.



EQUIPMENT YOU'LL NEED

Will normally include:

-  Spade
-  String Line
-  Wire Cutters
-  Secateurs
-  Multi Grip Pliers
-  Polyethylene Pipe Punch
-  Tape Measure

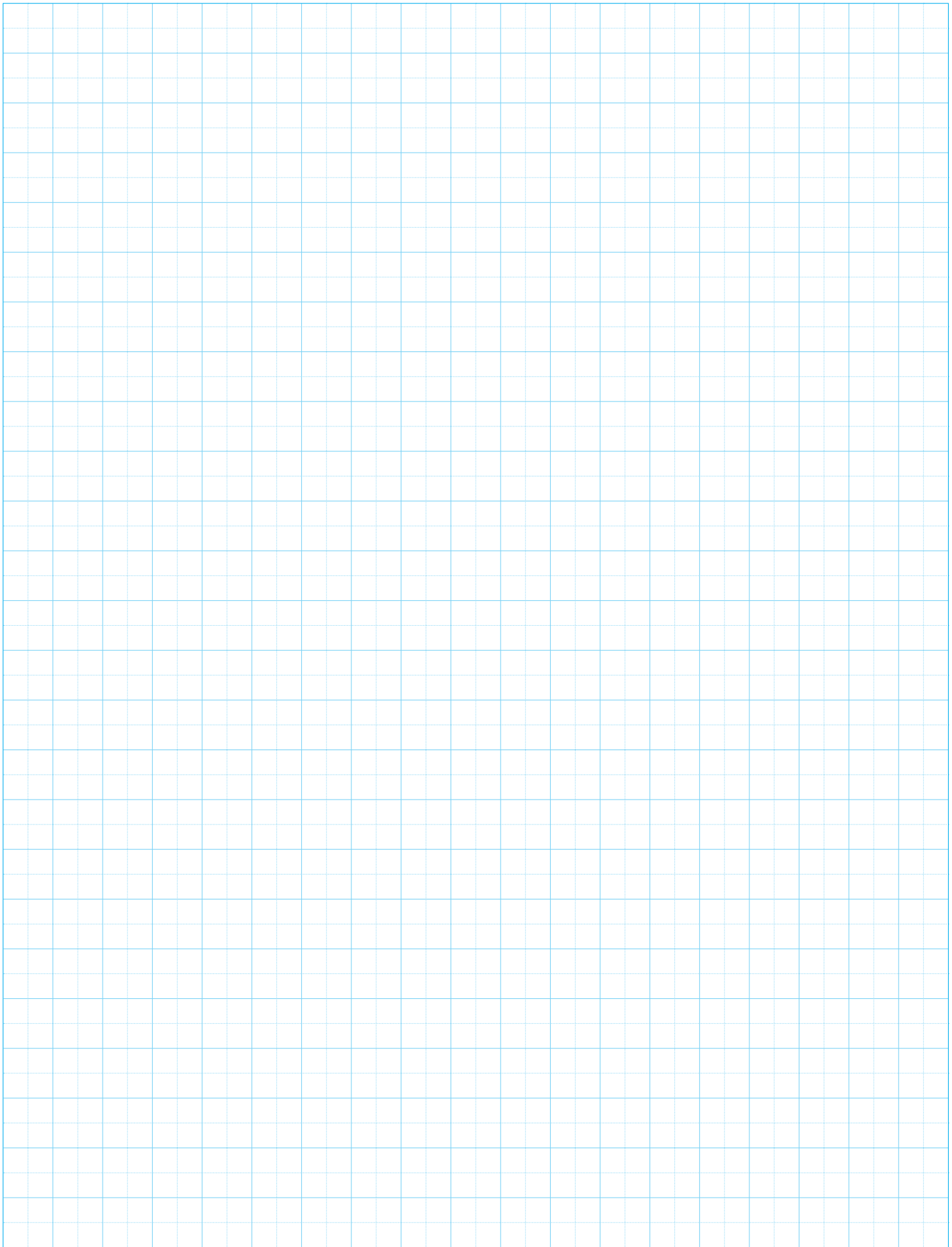
INSTALLATION TIPS

- **Pre-assemble** fittings where possible before you start.
- **Use** elbow and T-connectors to change direction and avoid kinks in your water pipe.
- **Check** where phone, gas and power lines are before you start digging. Use a string-line to mark out the position of your trenches.
- **Heat** your polyethylene pipe by dipping the ends in hot water or lay it in the sun. This will make it more pliable and easier to attach fittings.
- **Flush** water through the polyethylene pipes to remove debris before you attach drippers, sprayers or sprinklers.
- **Secure** your risers with a stake to keep them upright and help fasten the main hose pipe to the ground.
- **Replace** sods of lawn over your trenched pipe. The grass will quickly grow back.

-  TECHNOLOGY
-  HOME SPRINKLERS
-  WATER FILTRATION
-  MAINTENANCE

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0800 436 723 waterforce.co.nz



LEGEND

Ⓢ Controller

Ⓜ Water Source

⚡ Valve - Auto

⚓ Valve - Manual

● Rotor

⚡ Spray - Pop

⚡ Spray - Micro

● Dripper Pipe