

Shopping List

Code	Description	Pack quantity	Quantity req'd	Code	Description	Pack quantity	Quantity req'd
TAP				DRIPPERS			
2760	Pressure regulator	1		2784	4 LPH In-line pressure compensating dripper	5	
2210	Auto Off Controller	1		2785	4 LPH End-of-line pressure compensating dripper	5	
2212	Sensor Controller	1		MINI SPRINKLERS			
A 2214	Sensor Controller Plus	1		2786	In-line adjustable mini sprinkler	5	
2216	Cloud Controller	1		2787	End-of-line adjustable mini sprinkler	10	
2175	Threaded tap connector	1		2788	Stake adjustable end-of-line mini sprinkler	5	
2150	4-way tap connector	1		MICRO JETS			
2050	Hose end connector	1		2794	180° Adjustable micro jet	10	
13mm				2795	360° Adjustable micro jet	10	
2763	Supply hose	10m		2797	Mister micro jet	6	
2764	Supply hose	25m		2798	360° Mini sprinkler	2	
2765	Flow control valve	1		2789	High spike	3	
2766	Elbow connector	2		2802	15 Pot watering kit	1	
2767	'T' piece	2		2803	20 Pot watering kit	1	
2768	Straight connector	2		2804	25 Pot watering kit	1	
2769	End plug	3					
2779	Blanking plug	10					
B 2770	Stake - 13mm	5					
2771	Wall clip	10					
2799	Hole punch	1					
4mm							
2772	Micro hose	10m					
2776	Flow control valve	2					
2777	'T' piece	10					
2778	Tube adaptor	10					
2781	Stake - 4mm	10					
2782	Wall clip	10					

To calculate the capacity of your system

Fit the pressure regulator (2760) to the tap. With the tap fully on, fill a bucket and count the number of seconds it takes to fill. Multiply the number of litres your bucket holds by 3600, and divide by the number of seconds it took to fill. This will give the maximum flow rate per hour.

Example: A 9 litre bucket filled in 15 seconds:

$$9 \text{ (litres)} \times 3600 = 32,400 \div 15 \text{ (seconds)} = 2,160 \text{ (L/H)}$$

Each outlet has a flow rate. For example: Micro jets use 55 litres/hour, therefore with a maximum flow rate of 2160 l/h, the maximum number of drippers usable is 39 (2160 ÷ 55).

The code numbers shown here will help you to identify the products on pages 04-13 of this booklet and to choose the products you need from the Hozelock range.

Wise watering solutions

- Ok to use in hose pipe ban areas

The Water Butt Pump allows the use of stored rain water and/or grey water with any Hozelock watering product. It can also be used to move clean water around the garden, for example to transfer the water from a paddling pool to a water butt.

Water Butt Pump (2826)

Simply drop into your water butt and use a hose and spray gun as easily as using the tap. Much easier than using a watering can!

Water Storing Gels (2016, 2021, 2022)

A range of Award Winning water storing gels - these have the potential to reduce your water consumption by 90%. Simply mix with compost.

For more information and hints and tips to watering wisely go to www.hozelock.com



2016



2021



2022

The ABC guide to Automatic Watering



Contents

03 What is Automatic Watering?

Overview of what Automatic Watering is.

04-05 Automatic Watering **A B C** - The system

Explanation of how Automatic Watering works.

06-07 Automatic Watering **A** - Tap

How the system is connected to the tap and controlled by water controllers.

08-09 Automatic Watering **B** - Pipeline

How the water is carried from the tap to the drippers.

10-11 Automatic Watering **C** - Dripper

How the water is delivered to your plants.

12-13 Automatic Watering kits

The easy way to get into Automatic Watering; everything you need is in one box.

14-16 Design and installation

Here we list what you need and explain how to plan your system.

- Planning instructions
- Drawing sheet
- Shopping list



2150

What is Automatic Watering?

- Save your plants from drought
- Save water
- Save time
- Perfect for holiday watering

Automatic Watering is a system that takes water from the tap to your plants using a simple network of narrow pipes and outlets hidden in the garden. This can be controlled manually or by an electronic water controller.

An Automatic Watering system takes the work out of watering. It waters your plants properly all through the season, even if you are away.

This booklet shows you how to create your own watering system using Hozelock's easy to install and simple to use drip system. Then we show you how to make it work automatically by combining it with a Hozelock controller.

If you are looking for a simple system to water your container plants when you are away on holiday, or a sophisticated system to water your entire garden, you'll find that an Automatic Watering system helps you manage your garden much more easily, allowing you to spend more time doing the things you want, rather than the things you have to.

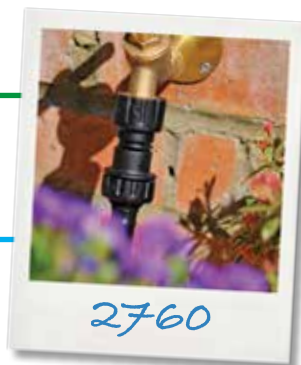


2804



2212

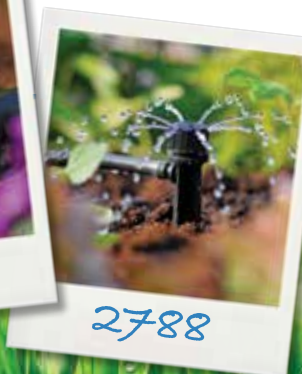
2216



2760



2767



2788

Automatic Watering **A B C** - The system

- Simple network of pipes
- Quick and easy to install
- Easy to extend

Automatic Watering is a simple network of pipes that carry the water around the garden, and outlets that deliver it to the plants. Most systems can be installed in a few hours and all can be extended as your garden grows.

The Hozelock Automatic Watering system has been designed to be as easy as possible to understand, buy and install.

The system is split into three sections, each in colour coded packaging.

A - Tap

Connect the Automatic Watering system to your tap



Water Controller (2212, 2214, 2216)

Battery powered, attaches to the outside tap. Turns the water on and off automatically.

Pressure Regulator (2760)

Controls the water pressure to ensure the best performance.

B - Pipeline

Super flexible, it takes water all around your garden

13mm Supply Hose (2764)

Takes water all around the garden.

4mm Micro Hose (2772)

Takes water from the Supply Hose to the drippers.

C - Drinker

Attach to pipe and use to water your container plants and borders

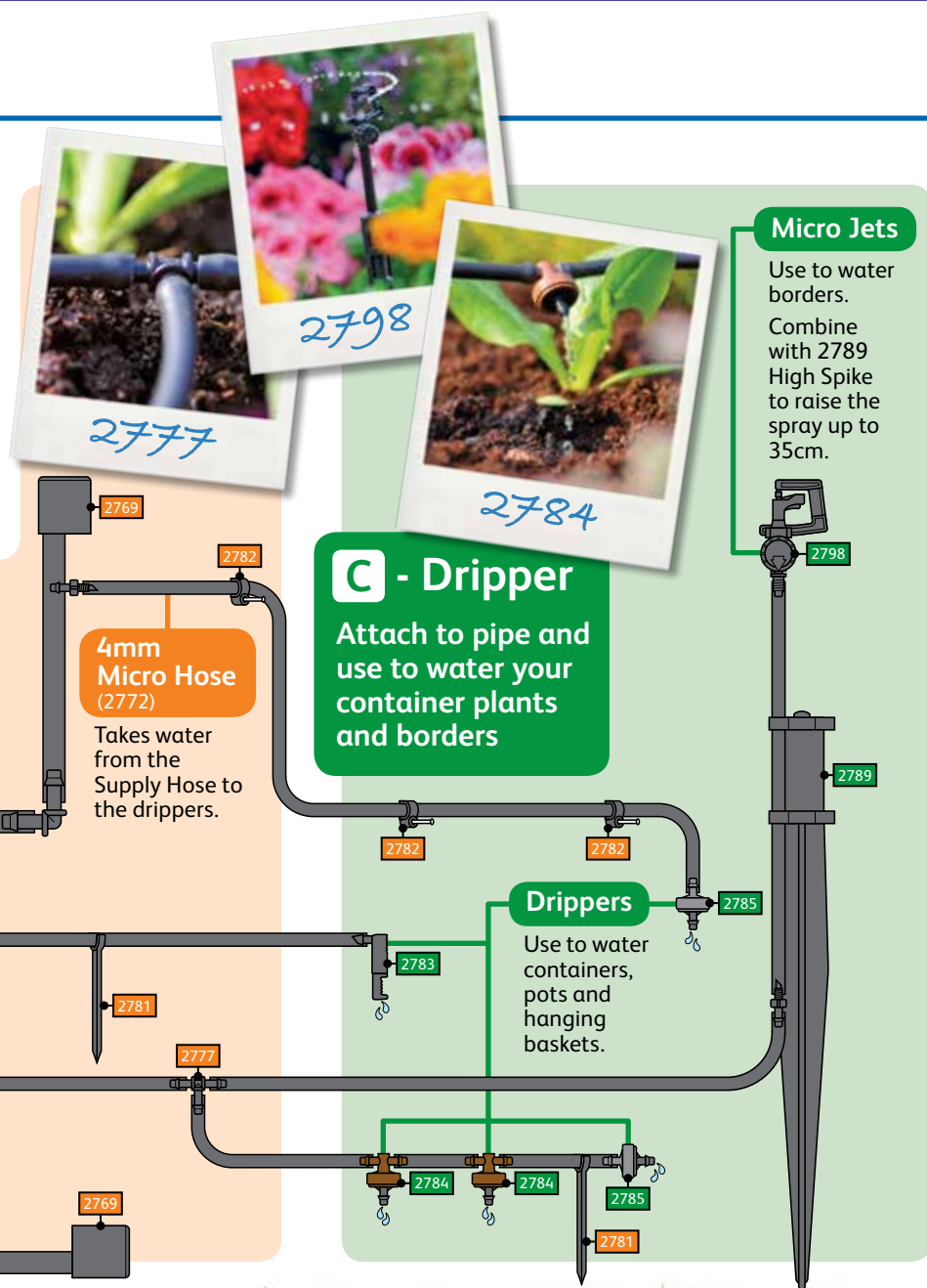
Drippers

Use to water containers, pots and hanging baskets.

Micro Jets

Use to water borders.

Combine with 2789 High Spike to raise the spray up to 35cm.



Automatic Watering **A** - Tap

- Connects the system to your tap
- Always use a pressure regulator

The tap connection is vital. It connects the watering system to the mains water supply. There are three different ways to make this connection.

Always use a pressure regulator to control the water pressure to ensure the best performance.

All installations below can be automated by adding a Hozelock water controller.



Remote connection

To connect to an area that does not reach your tap.

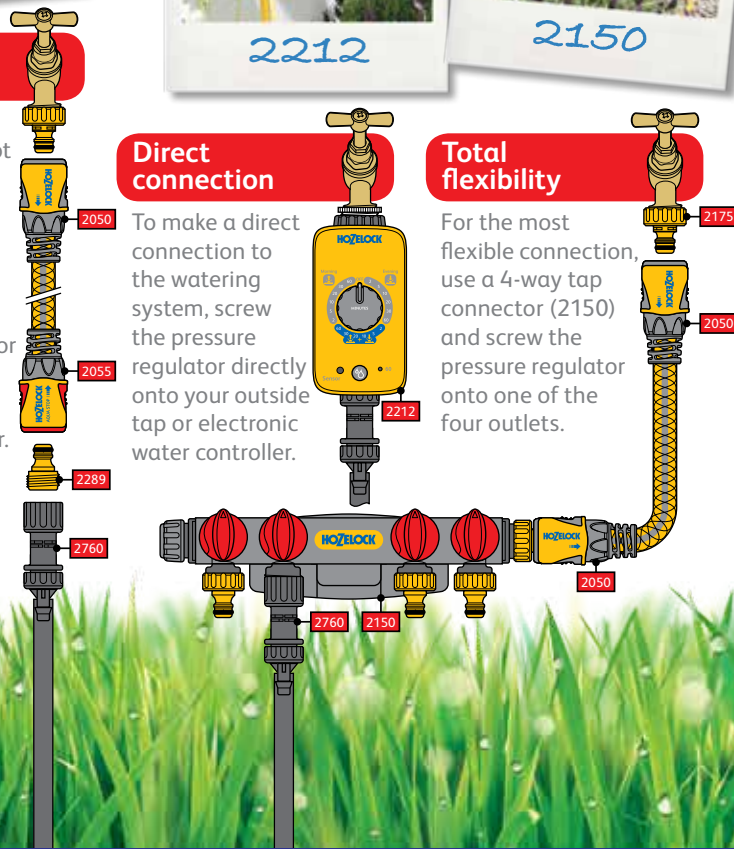
- Cut a section of hose.
- Add connectors to each end.
- Screw an adaptor to the pressure regulator.
- Click fit together.
- Attach to a tap with a threaded tap connector.

Direct connection

To make a direct connection to the watering system, screw the pressure regulator directly onto your outside tap or electronic water controller.

Total flexibility

For the most flexible connection, use a 4-way tap connector (2150) and screw the pressure regulator onto one of the four outlets.



Water Controller

- Automate - add a water controller
- Water - even when you're away on holiday

Cloud Controller (2216)

- Control your garden watering from your mobile (Apple or Android operating system) with Hozelock Hub and remote tap unit.
- Easy to use mobile app to create your own watering schedules. App includes local weather summary and notifications.
- Ideal for when you are away from home and weather conditions change, to remotely pause and adjust schedules.
- Each Hub can support up to 4 remote tap units.
- Requires 2 x AA alkaline batteries and internet connection for the Hozelock Hub.



Download on the App Store

ANDROID APP ON Google play

Sensor Controller (2212)

- Electronic water controller with daylight sensor that automatically adjusts the daily watering schedule to start at sunrise and sunset, the best time to water your garden.
- Waters once or twice per day for a duration ranging from 2, 5, 10, 20, 30 or 60 minutes.
- 'Water now' function for 60 minutes.
- Requires 2 x AA alkaline batteries and includes battery check function.



Sensor Controller Plus (2214)

- Electronic water controller with daylight sensor that automatically adjusts the daily watering schedule to start at sunrise and sunset, the best time to water your garden.
- Waters once or twice per day for a duration ranging from 2, 5, 10, 20, 30 or 60 minutes.
- Adjustable watering schedules from every day to once a week.
- 'Water now' function ranging from 10 minutes up to 60 minutes.
- Requires 2 x AA alkaline batteries and includes battery check function.



Automatic Watering **B** - Pipeline

13mm Supply Hose System

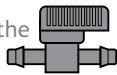
- Hozelock's 13mm hose is supple, long lasting and UV resistant

Use elbows, 'T' pieces and connectors to make the network. Use wall clips and stakes to secure it in place. The hose can be buried up to 5cm in the ground or covered with mulch.



Flow Control Valve
(2765 • Pack Quantity 1)

Shuts off or adjusts flow in the supply hose



13mm Supply Hose
(2764 • Hose length 25m)

25 metres of highly flexible UV stable supply hose



'T' Piece
(2767 • Pack Quantity 2)

For branching 13mm supply hose



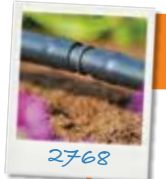
90° Elbow Connector
(2766 • Pack Quantity 2)

For making 90° turns in the supply hose



End Plug
(2769 • Pack Quantity 3)

For closing off ends of the supply hose



Straight Connector
(2768 • Pack Quantity 2)

For extending the supply hose



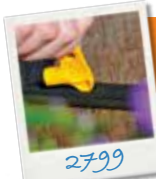
13mm Wall Clip
(2771 • Pack Quantity 10)

Secures the supply hose to walls or fences



13mm Stake
(2770 • Pack Quantity 5)

Holds the supply hose in position



Hole Punch
(2799 • Pack Quantity 1)

For punching holes in the 13mm supply tube



Blanking Plug
(2779 • Pack Quantity 10)

Seals holes in the supply hose



4mm Micro Hose System

- The 4mm micro hose takes water from the supply hose to the plants

The thick walled hose is kink, crush and UV resistant. Use with 'T' pieces and in-line connectors and secure in place with stakes.



4mm Micro Hose
(2772 • Hose length 10m)

10m of highly flexible UV stable micro hose



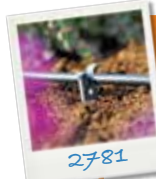
'T' Piece
(2777 • Pack Quantity 10)

For branching 4mm micro hose



Flow Control Valve
(2776 • Pack Quantity 2)

Shuts off or adjusts flow in the micro hose



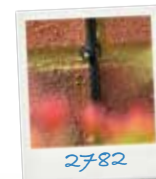
4mm Stake
(2781 • Pack Quantity 10)

Holds micro hose in position



Straight Connector
(2778 • Pack Quantity 10)

For attaching 4mm hose to supply hose or extending the micro hose



4mm Wall Clip
(2782 • Pack Quantity 10)

Secures micro hose to walls or fences



Automatic Watering C - Dripper

You can fit any combination of drippers, micro jets and mini sprinklers, depending on the plants and where you want to water. Choose the best drippers for your needs from the table below.

The length of time your system needs to run for will depend on several factors, eg, the time of year, the weather and the type of plants.









Experiment until you get the best performance from your system.

Save water and help your plants by putting drippers and sprinklers close to the roots and in the shade of leaves.

This way your plants will take up more water, the soil will remain moist and evaporation will be lower.

(The number of drippers your tap will support needs to be calculated – see page 16 for details)



Part No.	Description	Pack Quantity	Area Coverage	Flow Rate	Choose the best dripper for each watering task							Where & how to use
					Hanging Baskets	Troughs & Growbags	Round Containers	Borders	Greenhouses	Cloches & Cold Frames	Vegetable Gardens	
2784	Automatic 4 LPH in-line dripper	5		4 LPH Max	●	●		●	●	●	●	Advanced dripper. Ideal for all uses especially container plants and hanging baskets. Secure with stake.
2785	Automatic 4 LPH end-of-line dripper	5		4 LPH Auto	●	●	●	●	●	●	●	
2786	In-line mini adjustable sprinkler	5	 30 cm	0 - 40 LPH	●	●		●	●	●	●	Use amongst groups of small plants and at the roots of larger ones. Use upside down above hanging baskets. Use with stake to secure.
2787	End-of-line mini adjustable sprinkler	10	 30 cm	0 - 40 LPH	●	●	●	●	●	●	●	
2788	End-of-line mini adjustable sprinkler on stake	5	 30 cm	0 - 40 LPH	●	●	●	●	●	●	●	Supplied with stake fitted
2794	180° Adjustable micro jet	10	 2m	0 - 55 LPH				●	●	●	●	Different patterns to ensure complete coverage of flowerbeds and borders. Overlap to avoid dry patches.
2795	360° Adjustable micro jet	10	 2m	0 - 55 LPH				●	●	●	●	
2797	Mister micro jet	6	 50 cm	55 LPH					●	●		For delicate plants and seedlings. Use under glass only
2798	360° mini sprinkler	2	 3m	82 LPH				●			●	Fully adjustable flow. Overlap to avoid dry patches

Combine with 2789 High Spike to raise pattern up to 35cm

Automatic Watering Kits

• These Hozelock kits are the perfect introduction to micro irrigation

The kits include everything you need to start your own system.

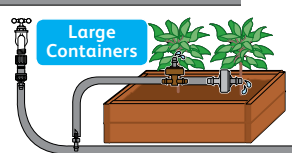
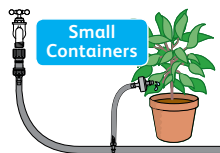
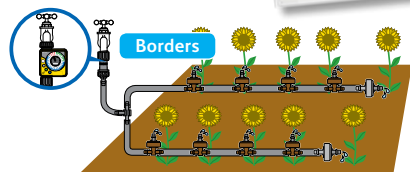
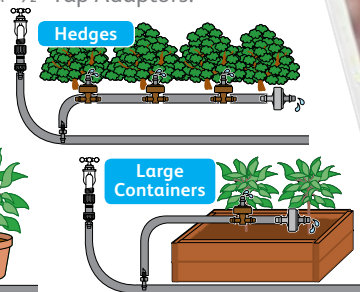
Hozelock also have a wide range of products that can be bought separately to extend these systems.



15 Pot Watering Kit (2802)*

Water your pots, hanging baskets, borders, vegetable patches and greenhouse plants. Control how you water your garden from 5 minutes up to 2 hours to save time, water and effort.

Contains: Auto Off Water Controller, Pressure Regulator, 15m x 4mm Micro Hose, 15 x 4LPH Drippers with Stake, 14 x 4mm T-Piece Connectors, 5 x Wall Clips, 5 x Hose Adaptors, 2 x 4mm Hose Adaptors, 1 x 3/4"-1/2" Tap Adaptors.



Part No.	Description	Water Controller	Hose supplied	Waters up to			
				Small containers	Large containers	Hedge	Border
2802	15 Pot Watering Kit	✓	15m of 4mm	15	7	7.5m	3m x 2m
2803	20 Pot Watering Kit	✓	15m of 4mm	20	10	10m	5m x 2m
2804	25 Pot Automatic Watering Kit	✓	10m of 4mm 15m of 13mm	25	10	10m	5m x 2m



4LPH End-of-line Dripper



4LPH End-of-line Dripper



4LPH Dripper with Stake



25 Pot Automatic Watering Kit (2804)*

Automatically control how you water your garden, saving you time, water and effort. The AC Plus Water Controller provides extensive control and flexibility to adjust watering duration, frequency and start time.

Contains: AC Plus Water Controller, Pressure Regulator, 15m x 13mm Supply Hose, 10m x 4mm Micro Hose, 15 x 4LPH Drippers with Stake, 10 x 4LPH End-of-line Drippers, 14 x 4mm T-Piece Connectors, 10 x 13mm Hose Stakes, 1 x 13mm T-Piece Connectors, 2 x 13mm Elbow Connectors, 10 x Blanking Plugs, 2 x End Sleeves, 5 x 4mm Wall Clips, 10 x Hose Adaptors, 1 x 4mm Hose Adaptors, 1 x Hose Punch, 5 x 13mm Wall Clips, 1 x 3/4"-1/2" Tap Adaptors.

20 Pot Watering Kit (2803)*

Automatic Watering for patio pots, hanging baskets, borders, vegetable patches and greenhouse plants. The AC1 Water Controller provides the flexibility to adjust watering duration, frequency and start time, providing extensive control.

Contains: AC1 Water Controller, Pressure Regulator, 15m x 4mm Micro Hose, 20 x 4LPH Drippers with Stake, 19 x 4mm T-Piece Connectors, 5 x Wall Clips, 5 x Hose Adaptors, 2 x 4mm Hose Adaptors, 1 x 3/4"-1/2" Tap Adaptors.

*Contents may vary

Design and installation

Follow these simple steps to plan a tailor-made system and fill in the shopping list on page 16. Even if you don't build exactly to plan, you will have enough information to buy the components you need.

You need paper, a pencil, some coloured pens and a long tape measure.

Use the paper to sketch the area where you are going to build the system. Note the dimensions as you measure. Transfer the measurements to the squared paper afterwards.

1 Measure (preferably in metres and centimetres) and mark on your sketch:

- The fixed elements - house, outside tap etc.
- Distance from outside tap to start of system
- Length of fences, walls, beds where supply hose and micro hose will run.
- Key planting areas - container groups, thirsty and precious plants, seedlings etc.
- Any obstacles, e.g. paths or driveways.
- Height of fence panels, walls etc if hanging baskets are to be watered.

2 Carefully transfer your measurements to the squared paper. Depending on the size of the area, use one of the following scales:

- 1cm square = 0.50 metres (1:50)
- 1cm square = 1 metre (1:100)

3 Draw the supply hose, showing angles and joints for connectors.

4 Plan in flow control valves where supply hose is likely to be longer than 50m, or use two water controllers and a four-way tap connector (see page 6).

5 Using a different colour, show the lines of micro hose.

6 Mark the outlets, using different coloured pens for each type (see page 10 for table of drippers).

7 Count up the outlets, connections, fixings and length of hose and complete your shopping list.

