ALL THINGS
BRIGHT & BEAUTIFUL

save the planet, save water, save money,

AUTOMATIC WATERING
A STEP BY STEP
Planning & Installation Guide

GARDENA®

QUICK & EASY
Micro-Drip-System

Water is valuable and should be used responsibly. The Micro-Drip-System allows you to take care of your garden paradise without wasting a drop of our most precious commodity.

Installing a GARDENA “Quick & Easy” Micro-Drip-System around your garden will ensure that your plants accurately receive the right amount of water for healthy growth - without you having to lift a finger.
Automatic watering is easy - even if you’re a complete beginner, this step-by-step guide will show you how to plan and install your own system... then let the garden take care of itself!

Need help planning your system? info.gardena@husqvarna.co.uk

WHAT IS
Automatic Watering?

Watering your garden can be automatically controlled using a GARDENA water timer. Your garden is watered at the correct time of day, for the right length of time, even when you are out or away on holiday. GARDENA water controls can even be used with moisture sensors to ensure that your garden is watered when it needs to be... the most effective use of precious water resources.

Need help planning your system? info.gardena@husqvarna.co.uk

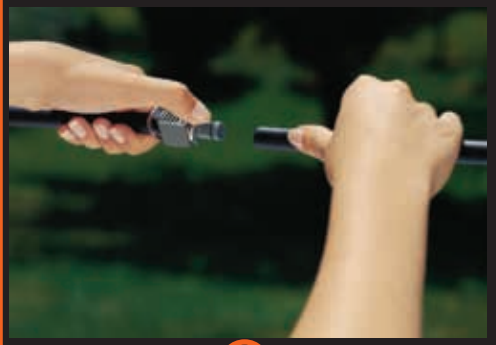
HOW
Automatic watering works

GARDENA's "Quick & Easy" Micro-Drip-System is a simple network of pipes which take water around the garden, watering plants with individual drip heads or small sprinklers.

1

Connecting to your tap

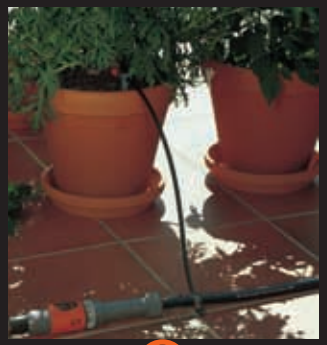
Watering your garden can be automatically controlled using a GARDENA water timer. Your garden is watered at the correct time of day, for the right length of time, even when you are out or away on holiday. GARDENA's new range of Water Computers and Timers has simplified controls via detachable control panels. All Water Computers and Timers require mains water pressure (except Water Timer T 1030 card) and a minimum flow rate of 20 litres per hour.



2

Connecting main pipes

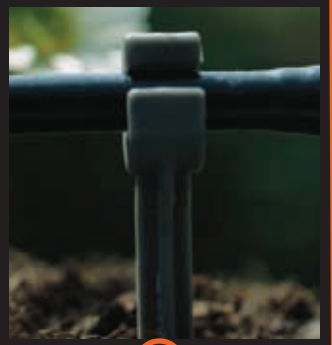
The first part of a GARDENA "Quick & Easy" Micro-Drip-System is the Master Unit, a water filter and pressure regulator which prevents the water pressure exceeding 1.5 bar to ensure the system works correctly.
13mm (1/2") Connecting Pipe is used to transport water to where it is needed. A maximum of 120m of connecting pipe can be used from a single tap and can be routed around the back of containers, buried or covered with mulch.
Connecting and disconnecting pipes is "Quick & Easy'... so you can arrange and rearrange your system as often as you need to.



3

Connecting supply pipes

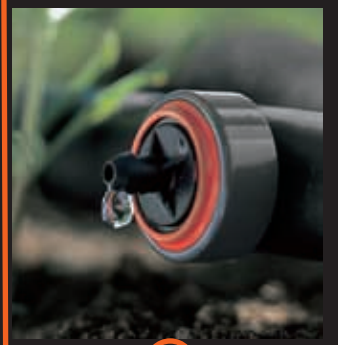
4.6mm (3/16") Supply Pipe is used to take water from the Connecting Pipe to plants, containers and hanging baskets. Up to 15m of Supply Pipe can be used in a single branch from the main Connecting Pipe. Connecting and disconnecting pipes is "Quick & Easy'... so you can arrange and rearrange your system as often as you need to.



4

Securing pipes in place

Connecting Pipes and Supply Pipes are easily secured to the ground, walls or fences using Clips, Guides and Pegs. Pipe Guides can also be used to hold sprinklers in place.



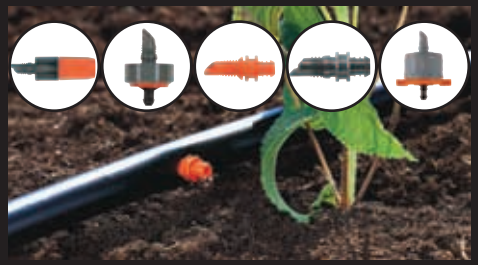
5

Watering your plants

However your garden needs watering, there is a wide range of Drip Heads, Spray Nozzles and Sprinklers to choose from. Installation is simple and takes seconds.

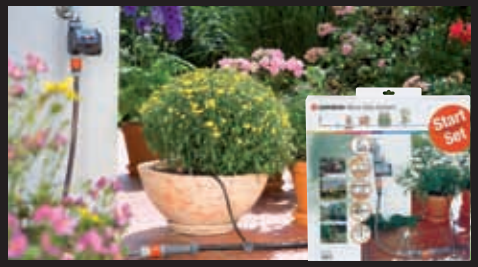
WATERING ROWS

Vegetables, plants and hedges



Vegetables, hedge rows and other rows of plants can be watered using Endline Drip Heads installed directly into your Connecting Pipe. Route the pipe along the base of the row and position each drip head at the base of each plant.

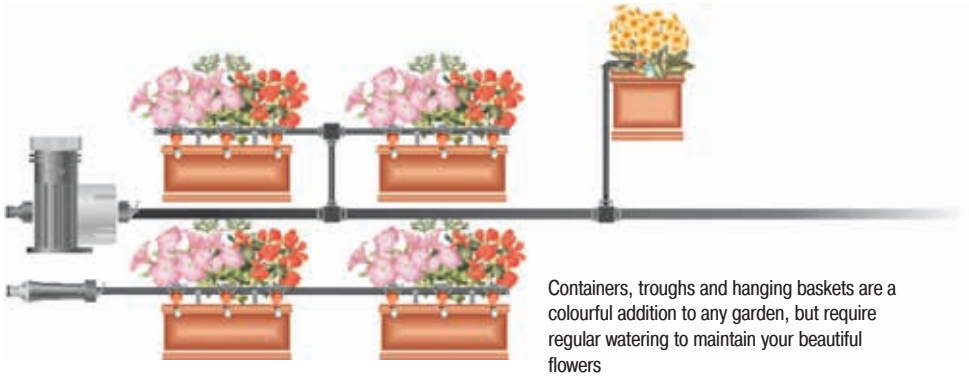
Shorter rows of plants can be watered by running Supply Pipe along the row and inserting Inline Drip Heads into the Supply Pipe at the base of each plant. This method can be used up to a maximum of 15m. Up to 20 x 2 l/h Inline Drip Heads can be installed in your Supply Pipe at this length.



Just starting out? You could consider a Starter Set - it has all the equipment you need to water 10 patio containers, 5m of troughs, 20 vegetable plants or 10 shrubs or bushes, including an Electronic Water Computer.

WATERING CONTAINERS

Containers, troughs and hanging baskets



Containers, troughs and hanging baskets are a colourful addition to any garden, but require regular watering to maintain your beautiful flowers

Route Connecting Pipe behind your containers or troughs. For hanging baskets, fix the pipe on the wall behind the baskets.

Make branches off the Connecting Pipe with Supply Pipe to each container, trough or hanging basket.

Install around 5 x 2 l/h Inline Drip Heads per metre in the container or hanging basket.

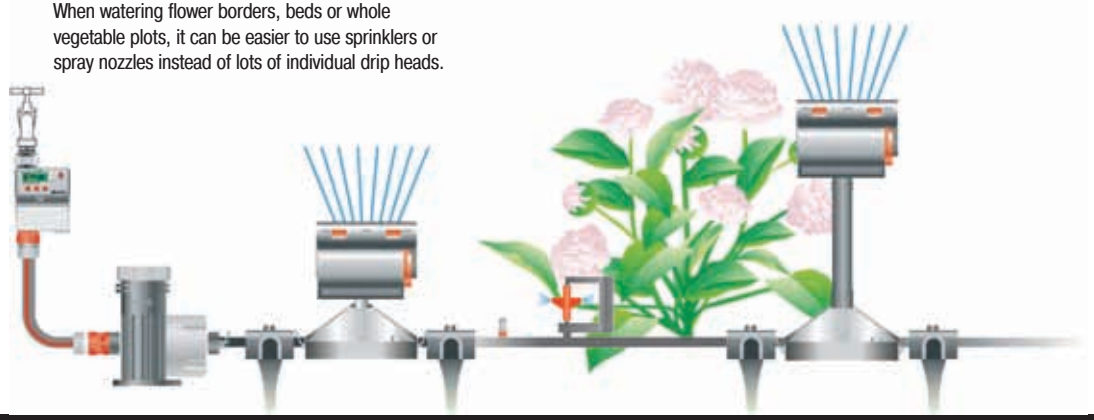
For round containers or hanging baskets create a loop with the Supply Pipe.

An easy way to get started is the Starter Set for Hanging Baskets & Flower Boxes. This set includes enough Supply Pipe and Drip Heads to water 5m of containers, troughs or hanging baskets.

WATERING LARGER AREAS

Beds and borders

When watering flower borders, beds or whole vegetable plots, it can be easier to use sprinklers or spray nozzles instead of lots of individual drip heads.



The Oscillating Sprinkler Vario 50 is ideal for square and rectangular areas. It is adjustable in both directions so that you need only water the area required. The length of spray is adjustable from 2.5 to 10 metres and the width from 2 to 5 metres. Add Extensions (fig 1) to lift above the plants if required. Connect up to a maximum of 4 sprinklers when spaced 10 metres apart, dependent upon the water pressure available.

Spray Nozzles are used together in a border or bed to build up coverage of the whole area. Add Extensions (Fig. 2) to lift above the plants if required. Fit Control Valves if you need to reduce the spray distance.

Endline Micro Strip Sprinklers can be used with Micro Strip Sprinklers for watering long narrow borders or troughs. Install into Connecting Pipe. Add Extensions (Fig. 2) to lift above the plants if required.

Fig 1

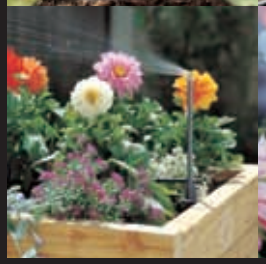


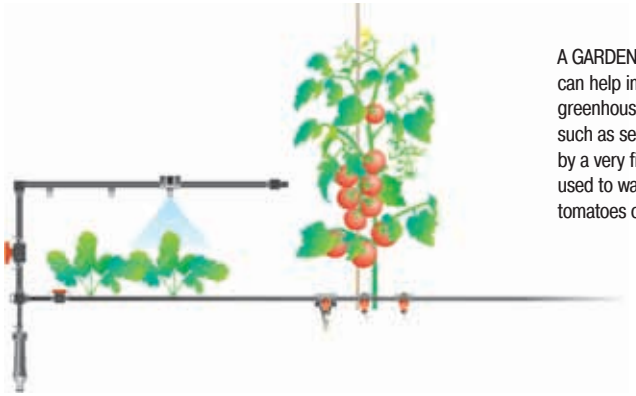
Fig 2

WATERING TIP:

We recommend watering beds, borders and vegetable plots for a prolonged period at least twice a week to ensure water reaches the lowest roots. The Oscillating Sprinkler Vario 50 and each spray nozzle distributes approximately 5 litres per square metre per hour. This corresponds to a seeping depth of approximately 5cm per hour, depending on the type of soil in your garden.

WATERING DELICATE PLANTS

Greenhouses and cold frames



A GARDENA “Quick & Easy” Micro-Drip-System can help improve growing conditions in greenhouses and cold frames. Delicate plants such as seedlings can be watered from above by a very fine mist, whilst drip heads can be used to water larger individual plants such as tomatoes or cucumbers.

Micro Mist Nozzles give a very fine mist and are perfect for watering seedlings or damping down in hot weather. Run Connecting Pipe along the roof of the greenhouse or cold frame. Install the Micro Mist Nozzles directly into the Connecting Pipe, spacing them approximately 50cm apart.

Tomatoes, cucumbers, peppers and other greenhouse plants are watered by positioning 2 litre per hour drip heads at the base of each plant.

Use a water timer to control watering in your greenhouse or cold frame. Use your timer in conjunction with the Soil Moisture Sensor for precise water management.

ABOVE & BELOW GROUND WATERING

Drip irrigation for beds, borders, hedges and lawns

The GARDENA Below and Above Ground Drip Irrigation Line is a permanently installed independent irrigation system with drip heads installed at intervals of 30cm, which direct the water to the root area of the plants

The Drip Irrigation Line is suitable for installation either above ground (e.g. below hedges or in beds and borders), or for invisible underground irrigation (e.g. of lawn areas).

The pressure-compensating drip heads enable even watering over a pipe length of up to 200m when the Master Unit is fitted in the middle.

The lines are laid at a depth of approximately 20cm in planted areas, and 10cm in lawn areas.

A water timer or computer can be used in conjunction with the Drip Irrigation Line.

The drip heads are self-sealing so no dirt collects when the system is getting switched off, and has a root blocker to prevent any roots from entering inside the drip heads.

Please note:
The Below and Above Ground Irrigation Line is a stand-alone system and should be run separate to the Micro-Drip-System.

FERTILISER & DISPENSER

Saves more time and money

NEW FOR 2009

Now you can feed your plants just as easily as you water them with GARDENA's Universal Liquid Fertiliser and Dispenser. The Liquid Fertiliser has been specially developed for use with the Micro-Drip-System and is fully water soluble, so will not clog drip heads and nozzles. It is suitable for use outside for garden plants, balcony plants, tub plants and ornamental plants as well as for fruit and vegetables. It can be used as a ground and leaf fertiliser, and as a fertiliser for plant and potting soil. The Dispenser ensures accurate dosage of the Fertiliser based on the size of the area and the specific needs of your plants.

FEEDING TIPS:

If plants are mixed apply the amount of fertiliser required for plants with the lowest fertilisation requirement. Do not start fertilising for two weeks after planting new plants or re-planting in pre-fertilised earth. For young plants halve the amount of fertiliser. For root fertilisation (drip irrigation) double the concentration and half the frequency can be selected. For leaf fertilisation (spray irrigation and sprinklers) at least 5 minutes of irrigation time must be selected.

AUTOMATIC WATERING IS EASY..

Installing your Micro-Drip-System

Automatic watering with a Micro-Drip-System saves water and time... and installation is so simple. A small system need not be planned on paper, but we would recommend planning a larger system using our '10 step' guide on page 21.

EQUIPMENT

You will find the following equipment invaluable during installation:
A GARDENA Installation Tool
Strong scissors
A tape measure
A hammer drill, screws and wall plugs (if fixing to hard surfaces)

CONNECTING TO THE TAP

Connect your Micro-Drip-System to an outdoor tap as follows:
If using a water timer, connect this to your tap as per the instructions. Connect a length of GARDENA hose either to the water timer or directly to the tap. Attach the Master Unit to the Hose Connector at the end of the length of hose, and connect the other end of the Master Unit to your Connecting Pipe.

LAYING OUT THE CONNECTING PIPE

Uncoil and lay out the Connecting Pipe. The length of Connecting Pipe that can be used depends on the mix of drip heads, sprinklers and spray nozzles you need. Weigh it down until it relaxes. In cold weather place the coil in warm water to make it more flexible and easier to work with. Measure and cut the Connecting Pipe to fit around your watering area.

Use 4-Way Couplings, L-Joints and Connectors, including any T-Joints you need for branching to Supply Pipe, where required to create the network.

Fit Control Valves to shut off parts of your system.

Fit Plugs to close off ends of lines

Secure with Pipe Guides and Pipe Clips as required.

FITTING THE SUPPLY PIPE

Fit the Supply Pipe to the Connecting Pipe in one of two ways:

1. Push the Supply Pipe onto the T-Joints which you have already installed in the Connecting Pipe.

2. Take the Installation Tool and gently pierce the Connecting Pipe where you need the branch - take care not to make the hole too large. Screw in the Connector. Route the Supply Pipe to the plants and cut to length.

Route the Supply Pipe to the plants and cut to length. Secure with Pipe Pegs or Pipe Guides as required.

AUTOMATIC WATERING IS EASY..

Installing your Micro-Drip-System

WATERING THE PLANTS

Installing Drip Heads, Spray Nozzles and Sprinklers:

1. Endline Drip Heads, Small Area Spray Nozzles and Spray Nozzles can be screwed directly into the wall of the Connecting Pipe using the Installation Tool.

2. Inline Drip Heads and Inline Small Area Spray Nozzles can be fitted into the length of the Supply Pipe. Alternatively, Endline Drip Heads and Endline Small Area Spray Nozzles can be fitted at the end of the Supply Pipe. If a method of watering is not required at the end of the Supply Pipe, it can be sealed by using a Plug.

3. Spray Nozzles and Sprinklers can be inserted into T-Joints for Spray Nozzles. To water plants from above, raise Spray Nozzles and Sprinklers by inserting an Extension Pipe into the T-Joints for Spray Nozzles.

MAINTENANCE

	AUTUMN	SPRING
Water Timers/Computers	Remove batteries. Store indoors away from frost.	Insert new 9v alkaline battery. Re-programme as required.
Solar Water Computer	The Water Computer C 1060 solar plus must be stored in a light, frost-free environment.	Re-programme as required. If used correctly, the rechargeable battery will only require replacing after 5-7 years.
Drip Heads, Sprinklers and Spray Nozzles	Leave in place, but take care not to damage them when cutting back plants.	Check for clogging. If necessary, disconnect from pipe and remove scale and dirt by soaking in equal parts of vinegar and water. Can be dismantled for cleaning.
Master Unit	Remove and store away from frost. Close off pipe with Plug.	Re-fit at start of season.

WATER CONTROLS

Creating more freedom

Watering periods can be automatically controlled using a GARDENA automatic water timer. This will guarantee your garden is watered at the correct time of day, for the right length of time, even when you are out or away on holiday. GARDENA's range of Water Computers and Timers has simplified controls via detachable control panels. All Water Computers and Timers require mains water pressure and a minimum flow rate of 20 litres per hour.

Application: Large, multi-channelled systems. Powered by a solar cell and rechargeable battery. **Waters:** 6 programmes per day, each from 1 minute to 9 hours 59 minutes. **Sensor:** Connection for Soil Moisture Sensor and Rain Sensor.		**PREMIUM WATER COMPUTER C 1060 SOLAR PLUS**
Application: Large, multi-channelled systems. **Waters:** 6 programmes per day, each from 1 minute to 9 hours 59 minutes. **Sensor:** Connection for Soil Moisture Sensor and Rain Sensor.		**PREMIUM WATER COMPUTER C 1060 PLUS**
Application: Gives greater flexibility for more accurate control. **Waters:** 3 programmes per day, each from 1 minute to 7 hours 59 minutes. **Sensor:** Connection for Soil Moisture Sensor and Rain Sensor		**COMFORT WATER COMPUTER C 1030 PLUS**
Application: Basic watering systems - easy programming with data card storage. **Waters:** 3 programmes per day, each from 1 to 180 minutes. **Sensor:** Connection for Soil Moisture Sensor and Rain Sensor		**COMFORT WATER TIMER T 1030 CARD**
Application: Basic watering systems. **Waters:** 3 programmes per day, each from 1 to 120 minutes. **Sensor:** Connection for Soil Moisture Sensor and Rain Sensor.		**CLASSIC WATER TIMER T 1030 PLUS**
Application: Complete set for operation of two watering systems. **Waters:** 3 programmes per day, each from 1 to 120 minutes. **Sensor:** Connection for Soil Moisture Sensor and Rain Sensor.		**CLASSIC WATER TIMER T 1030 DUO PLUS**
Application: Basic watering systems. **Waters:** 3 programmes per day, each from 1 to 180 minutes.		**CLASSIC WATER TIMER WT 1030**
Monitors the moisture level of the soil and if sufficient, interrupts or prevents the watering programme from taking place.		**SOIL MOISTURE SENSOR**
Soil Moisture Sensor with Timer, with additional capacity to start irrigation if soil moisture level is too low.		**AUTOMATIC IRRIGATION SET A 1020 SENSOR**

YOUR MICRO-DRIP-SYSTEM

Calculating the size of your automatic watering system

The amount of water you get from your tap will determine the number of drip heads and sprinklers you can run on your system. To calculate this, follow these simple step-by-step instructions:

STEP 1: Remove all fittings from the tap and place a 10 litre bucket under it.
STEP 2: Turn the tap on fully and time in seconds how long it takes to fill the bucket.
STEP 3: Write your bucket fill time here:

USING THE TABLE BELOW YOU CAN NOW FIND OUT HOW MUCH WATER YOU HAVE AVAILABLE TO RUN YOUR PLANNED SYSTEM.

WATER AVAILABILITY

BUCKET FILL TIMES SELECT YOUR NEAREST BUCKET FILL TIME	WATER AVAILABLE IF USING DRIP HEADS ONLY	WATER AVAILABLE IF USING DRIP HEADS, SPRAY NOZZLES, SPRINKLERS, MIST NOZZLES
Up to 14 Seconds	1800 Litres per Hour	1500 Litres per Hour
15 to 19 Seconds	1700 Litres per Hour	1400 Litres per Hour
20 to 24 Seconds	1300 Litres per Hour	1000 Litres per Hour
25 to 29 Seconds	1000 Litres per Hour	700 Litres per Hour
30 to 34 Seconds	800 Litres per Hour	500 Litres per Hour
35 to 39 Seconds	700 Litres per Hour	400 Litres per Hour
40 to 44 Seconds	600 Litres per Hour	300 Litres per Hour
45 to 49 Seconds	500 Litres per Hour	200 Litres per Hour
50 to 54 Seconds	400 Litres per Hour	Not Recommended
55 to 60 Seconds	300 Litres per Hour	Not Recommended
60 Seconds and more	Not Recommended	Not Recommended

Now calculate the flow rate required to run your desired GARDENA "Quick & Easy" Micro-Drip-System. To do this, refer to the table overleaf (page 18) which shows how many litres per hour each drip head, spray nozzle or sprinkler uses. Add up the total flow rate for your required system and write it here:

You can use the Total Required Litres per Hour (above) to find out whether you need to use the Master Unit 1000 (which delivers a maximum of 1000 l/h) or the Master Unit 2000 (which delivers a maximum of 2000 l/h). If the Total Required Litres per Hour (above) is the same or less than the water available to you (as shown in table opposite), then your planned system will work. If it is more, there are two options:

1. Take another look at your system. Is it possible to use less Drip Heads, Spray Nozzles, Sprinklers or Mist Nozzles? Is it possible to use Drip Heads (which use a lot less water) in place of Spray Nozzles and Sprinklers?
2. Separate your system into smaller areas and run one at a time. See table below:

SYSTEM AREAS REQUIRED

Required water in Litres per Hour (A)	Available water in Litres per Hour (B)	Separate into (A)/(B)
Example 1: 2500	1300	2500 / 1300 = 2 areas
Example 2: 5000	1000	5000 / 1000 = 5 areas

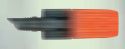
Twin Tap Connector

Solution for example 1:
Run two systems from one tap by using a Twin Tap Connector or a Water Timer T 1030 Duo plus

Automatic Water Distributor

Solution for example 2:
Automatic Water Distributor. You can run up to 6 watering systems off your tap by using an Automatic Water Distributor in conjunction with Water Computer C 1060 plus or Water Computer C 1060 solar plus. Please note that each watering system will need to be regulated by a Master Unit.

EASY REFERENCE GUIDE
For Drip Heads, Sprinklers & Spray Nozzles

ARTICLE NUMBER	DESCRIPTION		FLOW RATE l/h	SPRAY DISTANCE M	HANGING BASKETS	TROUGHS	ROUND CONTAINERS	BEDS & BORDERS	VEGETABLE PLOTS	GREENHOUSES & COLD FRAMES	USES
1340	Endline Drip Head 2l/h		2		·	·	·	·	·	·	Use at the base of individual plants
1341	Endline Drip Head 4l/h		4		·	·	·	·	·	·	Use at the base of individual plants
8343	Inline Drip Head 2l/h		2		·	·	·	·	·	·	Use at the base of individual plants
8344	Inline Drip Head 4l/h		4		·	·	·	·	·	·	Use at the base of individual plants
8349	Drip Head Set - 2l/h for 3 metres (10ft)		15 x 2		·	·	·	·	·	·	Use at the base of individual plants
8317	Adjustable Inline Drip Head, pressure equalising		1-8		·	·	·	·	·	·	Use for watering rows of plants needing different amounts of water
8316	Adjustable Endline Drip Head, pressure equalising		1-8		·	·	·	·	·	·	Use for accurate spot watering of single standing plants or longer rows of plants needing different amounts of water
8310	Pressure Controlling Endline Drip Head 2l/h		2		·	·	·	·	·	·	Use for individual plants at the base of inclines
8311	Pressure Controlling Inline Drip Head 2l/h		2		·	·	·	·	·	·	Use for individual plants at the base of inclines
1391	Adjustable Endline Drip Head 0-20l/h		0-20		·	·	·	·	·	·	For watering large plants at the roots
8392	Adjustable Inline Drip Head 0-20l/h		0-20		·	·	·	·	·	·	For watering large plants at the roots
8320	Endline Small Area Spray Nozzle		40	0.1 - 0.4			·	·	·		Ideal for larger shrubs and bushes
8321	Inline Small Area Spray Nozzle		40	0.1 - 0.4			·	·	·		Ideal for larger shrubs and bushes
8360	Oscillating Sprinkler Vario 50		250	2.5-10r x 2-5w				·	·		Rectangular areas
1365	Spray Nozzle 360°		120	Radius 1.5-3.0				·	·		Use together to ensure complete area coverage
1367	Spray Nozzle 180°		95	Radius 1.5-3.0				·	·		Use together to ensure complete area coverage
1368	Spray Nozzle 90°		45	Radius 1.5-3.0				·	·		Use together to ensure complete area coverage
1370	Micro Strip Sprinkler		60	Max 0.6x5.5		·		·			For coverage of long narrow borders or troughs
1372	Micro Strip Sprinkler		45	Max 0.6x2.75		·		·			For coverage of long narrow borders or troughs
1369	Micro Rotor Sprinkler 360°		85	Radius 1.5-3.5				·	·		For covering with a fine spray. Raise above leaves with extension pipe
1396	6-Pattern Spray Nozzle		35	Max 2.0				·	·		For covering with a fine spray. Raise above leaves with extension pipe
1371	Micro Mist Nozzle		15	Radius 0.5						·	For seedlings and dedlicate plants

CONNECTING THE SYSTEM

Micro-Drip-System Parts

ARTICLE NUMBER	DESCRIPTION	ARTICLE NUMBER	DESCRIPTION
1354	Master Unit 2000	1355	Master Unit 1000
8339	4-Way Coupling 13mm (1/2")	8334	4 Way Coupling 4.6mm (3/16")
8329	T-Joint 13mm (1/2")	8330	T-Joint 4.6mm (3/16")
8356	Connector 13mm (1/2")	8337	Connector 4.6mm (3/16")
8382	L-Joint 13mm (1/2")	8381	L-Joint (3/16")
8333	Reducing T-Joint 13mm (1/2") - 4.6mm (3/16")	8338	Compatibility Adaptor 4.0mm - 4.6mm
8324	Plug 13mm (1/2")	1323	Plug 4.6mm (3/16")
8328	Pipe Guide 13mm (1/2")	8327	Pipe Guide 4.6mm (3/16")
8380	Pipe Clip 13mm (1/2")	8379	Pipe Clip 4.6mm (3/16")
1380	Pipe Clip 13mm (1/2")	1379	Pipe Clip 4.6mm (3/16")
		1327	Pipe Peg 4.6mm (3/16")

PLANNING YOUR GARDEN

in 10 Simple Steps

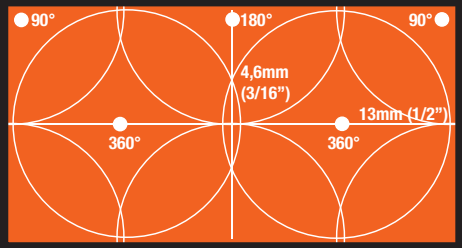
If you are installing a large system including beds, borders and vegetable plots it is better to plan it on paper. To do this, you will need paper, coloured pencils and a long tape measure. First of all, make a sketch of your garden in plan view (looking down) on a spare piece of paper.

1. In your sketch include house walls, fences, paths, patios, trees, beds, borders, vegetable plots and of course the garden tap.

2. Take measurements of all the different parts of your garden.

3. Re-draw your plan onto the squared paper provided. Every 1cm² should represent 1m².

4. On the beds, borders and vegetable plots take a compass and draw in the spray nozzles and sprinklers. Mark each type of spray nozzle or sprinkler as a different colour. For example a Spray Nozzle 360° as a purple circle or a Rotor Sprinkler as an orange circle.



5. Mark the positions of pots, tubs, troughs and hanging baskets.

6. Draw in the Connecting Pipe 13mm (1/2") in black pencil showing all connectors and shut-off valves.

7. Draw in the Supply Pipe 4.6mm (3/16") using a blue pencil.

8. Draw in the drip heads. You can use a different coloured triangle for each type. For example 2 l/h as red triangles, 4 l/h as green triangles.

9. Count all drip heads, spray nozzles, Mist Nozzles, sprinklers and connectors. Refer to Table 1 on page 6.

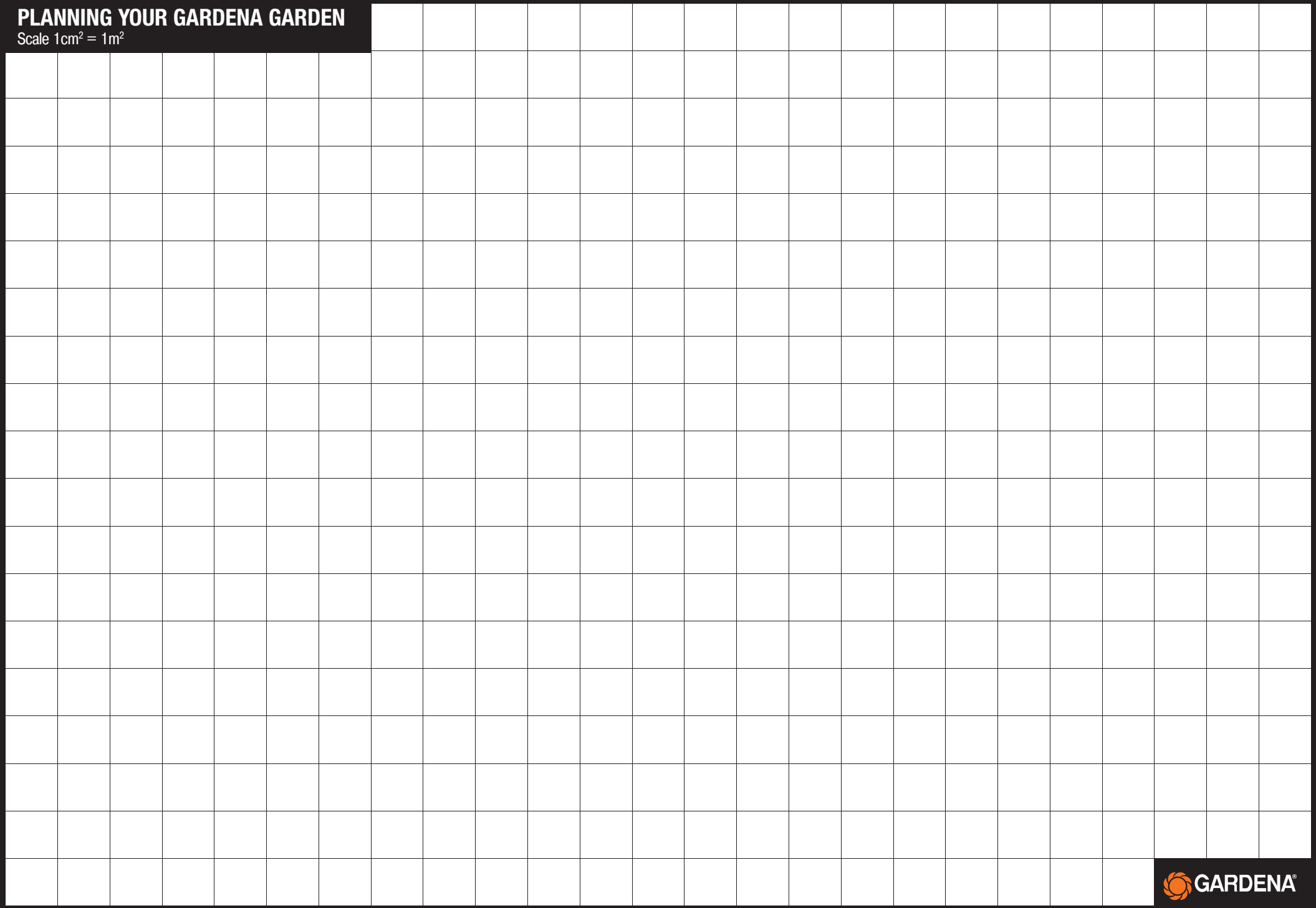
10. Add up all lengths of Connecting Pipe and Supply Pipe (1cm = 1m).

Refer to the shopping list on the back page and complete the column "Quantity Required" to make up your list of all the components you require for your GARDENA "Quick & Easy" Micro-Drip-System.

If you still feel that you need help planning your system, GARDENA offers a free planning service. Email info.gardena@husqvarna.co.uk for more details.

PLANNING YOUR GARDENA GARDEN

Scale 1cm² = 1m²



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SHOPPING LIST

For more information and for your local stockist visit: www.gardena.co.uk

Article Number	Article Description	Quantity in Pack	Qty Req'd
CONNECT TO THE TAP			
6005	Threaded Tap Connector 21mm (1/2"), 23mm (5/8"), 26.5mm (3/4")	1	
8193	Twin Tap Connector for taps with 26.5mm (3/4") - 33.3mm (1") threads	1	
2915	Standard Hose Connector for 13mm (1/2") hose	1	
1860	Water Timer Plus T 1030 plus	1	
1862	Water Computer C 1030 plus	1	
1864	Water Computer C 1060 plus	1	
1825	Water Timer WT 1030 plus	1	
1830	Water Timer T 1030 card	1	
1866	Water Computer C 1060 solar plus	1	
1835	Automatic Irrigation Set A 1020 Sensor	1	
1354	Master Unit 2000	1	
1355	Master Unit 1000	1	
THE WATER TRANSPORT NETWORK			
1346	Connecting Pipe 13mm (1/2") 15m	1	
1347	Connecting Pipe 13mm (1/2") 50m	1	
8339	4-Way Coupling 13mm (1/2")	2	
8329	T-Joint 13mm (1/2")	2	
8331	T-Joint for Spray Nozzles 13mm (1/2")	5	
8382	L-Joint 13mm (1/2")	2	
8356	Connector 13mm (1/2")	3	
8324	Plug 13mm (1/2")	5	
8328	Pipe Guide 13mm (1/2")	3	
8380	Pipe Clip 13mm (1/2")	2	
8358	Shut-Off Valve 13mm (1/2")	1	
TAKING WATER TO THE PLANTS			
1348	Supply Pipe 4.6mm (3/16") 50m	1	
1350	Supply Pipe 4.6mm (3/16") 15m	1	
8334	4-Way Coupling 4.6mm (3/16")	10	
8330	T-Joint 4.6mm (3/16")	10	
8332	T-Joint for Spray Nozzles 4.6mm (3/16")	5	
8333	Reducing T-Joint 13mm (1/2") - 4.6mm (3/16")	5	
8381	L-Joint 4.6mm (3/16")	10	
8337	Connector 4.6mm (3/16")	10	
1323	Plug 4.6mm (3/16")	10	
1327	Pipe Pegs 4.6mm (3/16")	10	
8327	Pipe Guide 4.6mm (3/16")	3	
8379	Pipe Clip 4.6mm (3/16")	5	
8357	Shut-Off Valve 4.6mm (3/16")	2	
8338	Compatibility Adaptor 4.0mm (5/32") - 4.6mm (3/16")	6	

Article Number	Article Description	Quantity in Pack	Qty. Req'd
WATERING THE PLANTS			
8317	Adjustable Inline Drip Head, pressure equalising 1-8 l/h;	5	
8392	Adjustable Inline Drip Head 0-20 l/h	10	
8311	Pressure Controlling Inline Drip Head 2 l/h	10	
8343	Inline Drip Head 2 l/h	10	
8344	Inline Drip Head 4 l/h	10	
8316	Adjustable Endline Drip Head, pressure equalising 1-8 l/h	5	
1391	Adjustable Endline Drip Head 0-20 l/h	10	
8310	Pressure Controlling Endline Drip Head 2 l/h	10	
1340	Endline Drip Head 2 l/h	25	
1341	Endline Drip Head 4 l/h	25	
8349	Drip Head Set for 3 metres (10 ft) of flower boxes	1	
8320	Endline Small Area Spray Nozzle	10	
8321	Inline Small Area Spray Nozzle	10	
8360	Oscillating Sprinkler Vario 50	1	
1396	6-Pattern Spray Nozzle	2	
1369	Micro Rotor Sprinkler 360°	2	
1365	Spray Nozzle 360°	5	
1367	Spray Nozzle 180°	5	
1368	Spray Nozzle 90°	5	
1370	Micro Strip Sprinkler	5	
1372	Endline Micro Strip Sprinkler	5	
1371	Micro Mist Nozzle	5	
ACCESSORIES			
1188	Soil Moisture Sensor	1	
1198	Automatic Water Distributor	1	
8322	Installation Tool	1	
1374	Control Valve	5	
1377	Extension Pipe for Spray Nozzles	5	
8362	Extension Pipe for Oscillating Sprinkler Vario 50	2	
START SETS			
1398	Starter Set with Water Computer C 14e	1	
1402	Starter Set for Hanging Baskets and Flower Boxes	1	
BELOW AND ABOVE GROUND DRIP IRRIGATION			
1362	Above Ground Drip Irrigation Line 4.6mm (3/16")	1	
1389	Below and Above Ground Drip Irrigation Line	1	
1395	Extension Set for Below and Above Ground Drip Irrigation Line	1	
FEEDING YOUR PLANTS			
8313	Fertiliser Dispenser	1	
8303	Universal Liquid Fertiliser 1000ml	1	

GLIT 09-04

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