



watering systems



**GROWING
made simple**

2012

www.autopot.co.uk

AQUAvalve™

the heart of all
AutoPot Watering Systems



Advice

Do **NOT** over tighten the yellow collar.
When you feel the collar grip... **STOP**.



The AQUAvalve is supplied with all the AutoPot Watering Systems. Once connected to the water supply the AQUAvalve will control the flow of water to the plants, by simple gravity pressure from a tank or water butt, no pumps, mains water pressure, electricity or timers are required.

Once connected to a tank the AQUAvalve will open and allow water to fill the tray to a preset level of 20mm. The AQUAvalve will not refill the tray until all the water has been used allowing the plant to go through a wet & dry cycle. Once all the water has been used by the plants the AQUAvalve will re-open and refill the tray.

The AQUAvalve is a simple but very effective watering device and needs to be treated with care. Keep the AQUAvalve and the tray it sits in clean, free of obstructions, soil particles and it will help you water & feed your plants for many years.

The AQUAvalve is guaranteed for 12 months.



Whenever you see this logo
a 3D animation is available
to view on our website

welcome to AutoPot

AutoPot automatic watering systems are undoubtedly some of the simplest to use and can be left unattended for weeks due to the capability of the AQUAvalve. AutoPot watering systems require no power, timers or pumps, just simple gravity pressure from a waterbutt or tank is all that's required. From the greenhouse in your garden to acres of commercial glasshouses AutoPot can provide any grower of any ability with a system, large or small, that will far exceed his or her expectations.

why use our watering systems?

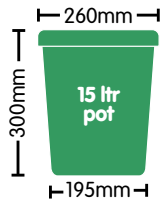
- ✓ No more daily watering, the system can be left unattended for weeks
- ✓ All our systems require no power, pumps or timers to operate
- ✓ Simple gravity pressure is all that is required from a tank or waterbutt
- ✓ One of the most water efficient irrigation systems worldwide
- ✓ Can be used to grow any crop varieties; edible or ornamental
- ✓ Adaptable and easily extended in minutes
- ✓ Environmentally sustainable



how easy can it be?

- ✓ No limit to the size of the system
- ✓ No recirculation of water/nutrient
- ✓ Extremely low maintenance
- ✓ No need to constantly monitor pH or Ec
- ✓ No need to constantly drain and refill tanks
- ✓ No need to flush, as there is no nutrient build up
- ✓ AutoPot makes growing as simple as it can be... *less effort bigger yields*

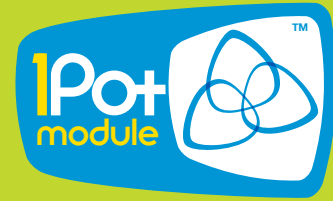
our systems



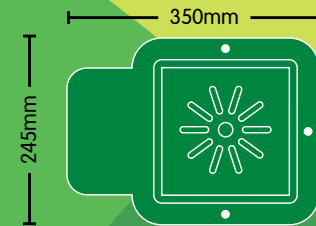
The **1Pot module** is extremely versatile and can be used for a wide range of plant varieties and sizes. The 1Pot module is easily extended so many pots can be linked to a single tank, as shown throughout the brochure. The 15 litre pot that is supplied with all 1Pot modules enables you to grow large specimen plants. The pot and tray can be easily moved if the plants grow too large and need to be spaced further apart.

Advice

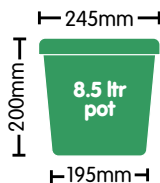
The 15 litre pots used in the 1Pot module and the 8.5 litre pots used in the easy2grow system are interchangeable and can be used in either tray design. Ensure all trays are level when in position.



1 Pot tray dimensions



Available in black and green

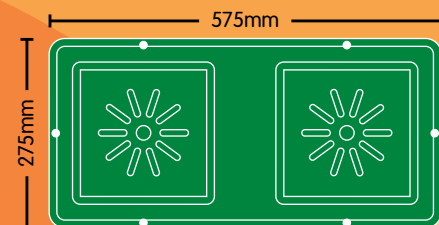


The **easy2grow system** is the preferred system used by commercial growers throughout the world. It offers maintenance free growing with optimum growth without wasting a single drop of water.

The easy2grow system will water & feed your plants using 8.5 litre pots without the need for pumps, timers and electricity. Whether using the easy2grow starter Kit or multiple easy2grow extension kits on a vast commercial scale this system provides everything the plant requires and is the chosen system for commercial growers.



easy2grow tray dimensions



Available in black and green

Advice

Always use a 6mm or 16mm filter with each tank. Use good quality compost, soil or coco with a 50% mix of perlite.

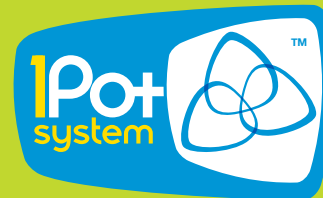
This creates a fluffy air retentive substrate which is ideal for AutoPot systems.



Plan view



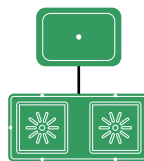
30 ltr tank

**Ideal starter system****1 Pot System****Contents:**

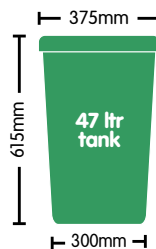
- 1x 30tr Tank, lid & 6mm Top Hat Grommet
- 1x 6mm Golf Filter
- 1x 1Pot Module

Advice

Always raise your tank to a minimum of 150mm above the highest AQUAvalve and re-fill the tank when there is approximately a 1/3 of the solution left.



Plan view



47 ltr tank

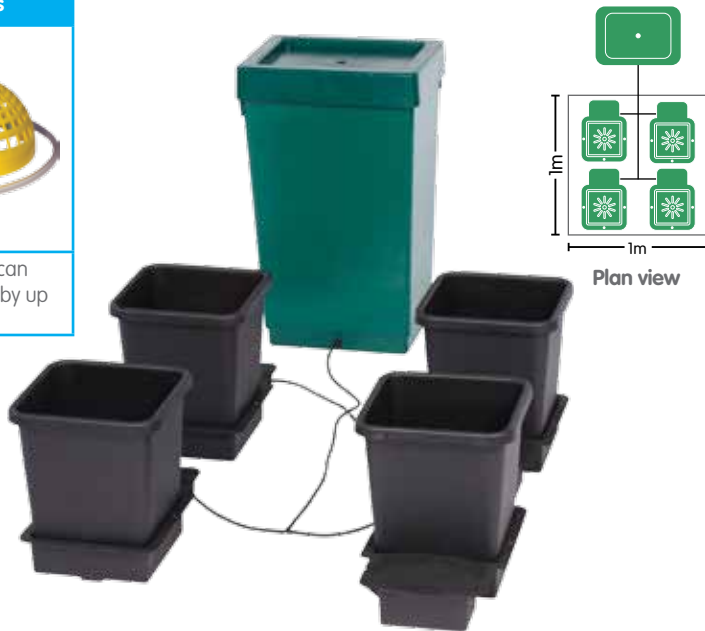
**Ideal starter system****easy2grow kit****Contents:**

- 1x 47tr Tank, lid & 6mm Top Hat Grommet
- 1x 6mm Golf Filter
- 1x easy2grow Extension Kit

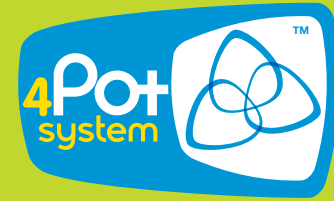
Accessories



The **AirDome** can increase growth by up to 130%



Plan view



Ideal for: 1 sq metre of growing space

4 Pot System

Contents:

- 1x 47lr Tank, lid & 6mm Top Hat Grommet
- 1x 6mm Golf Filter
- 1x 6mm Tee
- 1x 6mm Cross Connector
- 4x 1Pot Modules

Advice

The **easy2grow 6** is as big as you can go with a 47L tank using 6mm pipe.



Plan view



Ideal for: 1 sq metre of growing space

easy2grow 6

Contents:

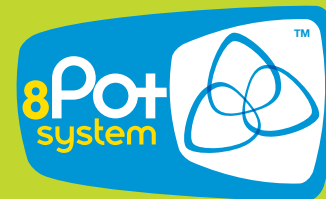
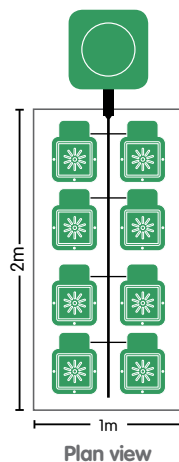
- 1x 47lr Tank, lid & 6mm Top Hat Grommet
- 1x 6mm Golf Filter
- 2x 6mm tee
- 3x easy2grow Extension Kits

Advice

Use 16mm pipe on any system over 6 pots, reducing the pipe with either 16 – 6mm cross or tee connectors.

Accessories

16mm – 6mm
cross connector



Ideal for: 2 sq metres of growing space

8 Pot System

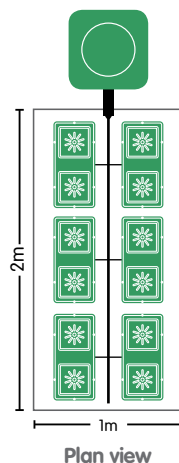
Recommended with 100L Tank (min)

Contents:

- 1x Click-fit tank adaptor & filter with 16mm outlet
- 1x 16mm In-line tap
- 4x 16mm-6mm Cross Connector
- 4 metres 16mm pipe
- 8x 1Pot Modules

Pipe Reduction

16mm – 6mm
cross connector



16mm inline tap used to
flush pipework



Ideal for: 2 sq metres of growing space

easy2grow 12

Recommended with 100L Tank (min)

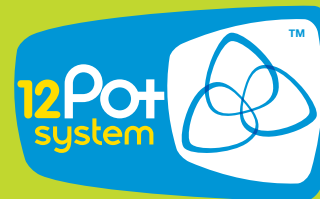
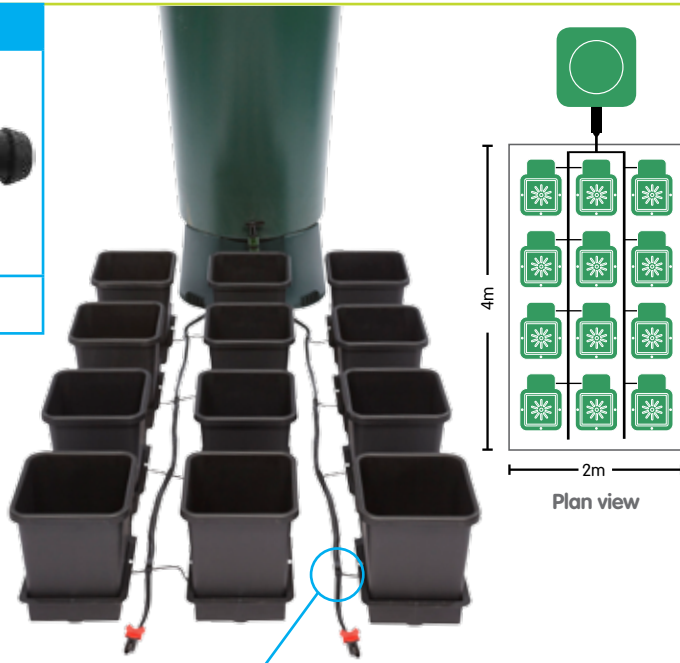
Contents:

- 1x Click-fit tank adaptor & filter with 16mm outlet
- 1x 16mm In-line tap
- 3x 16mm-6mm Cross Connector
- 4 metres 16mm pipe
- 6x easy2grow Extension Kits

Accessories



16mm – 6mm
tee connector



Ideal for: 6 – 10 sq metres of growing space

12 Pot System

Recommended with 200L Tank (min)

Contents:

- 1x Click-fit tank adaptor & filter with 16mm outlet
- 1x 16mm tee
- 2x 16mm In-line tap
- 4x 16mm-6mm Cross Connector
- 4x 16mm-6mm Tee
- 10 metres 16mm pipe
- 12x 1Pot Modules

Recommended



AutoPot Liquid Feed,
a one part feed suitable
for all plants

Advice

Allow your plants to establish in the pots before turning your system on. This will encourage a stronger and healthier root system.



Ideal for: 6 – 10 sq metres of growing space

easy2grow 24

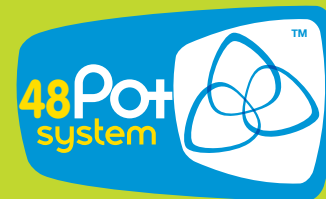
Recommended with 200L Tank (min)

Contents:

- 1x Click-fit tank adaptor & filter with 16mm outlet
- 1x 16mm tee
- 2x 16mm in-line taps
- 8x 16mm-6mm Cross Connector
- 10 metres 16mm pipe
- 12x easy2grow Extension Kits

Advice

We recommend using the **easy2grow liquid feed** in all our systems. This minimises blockages and residue in pipework. The majority of organic feeds can block the pipe.



Ideal for: 10 – 20 sq metres of growing space

48 Pot System

Recommended with 350L Tank (min)

Contents:

- 1x Click-fit tank adaptor & filter with 16mm outlet
- 1x 16mm cross
- 3x 16mm In-line tap
- 24x 16mm-6mm Cross Connector
- 24 metres 16mm pipe
- 48x 1Pot Modules

Advice

Clean all compost from the bottom and sides of the pots before placing in each tray.



Ideal for: 10 – 20 sq metres of growing space

easy2grow 48

Recommended with 350L Tank (min)

Contents:

- 1x Click-fit tank adaptor & filter with 16mm outlet
- 1x 16mm tee
- 2x 16mm in-line taps
- 12x 16mm-6mm Cross Connector
- 24 metres 16mm pipe
- 24x easy2grow Extensions

Advice

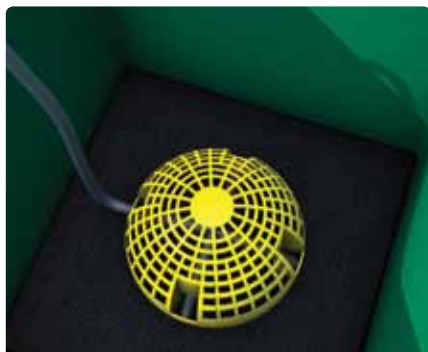
To maximize the effectiveness of the AirDome use a 'fluffy' mix, such as 50% good quality compost and 50% perlite. Do not use peat as this will compress reducing the effectiveness of the AirDome.



With all growing conditions being correct the AirDome has been proven to increase yields by up to 130%.



*Colours may vary



Place the AirDome in the bottom of the pot and connect to an air pump



The plant grows faster due to the abundance of air around the root zone

air
dome™

The AirDome has been designed to increase the amount of air around the root zone in the pot. **If you are lucky enough to have power in your greenhouse this little addition can increase yields by up to 130%.**

It is very simple to use once assembled, which will take less than 30 seconds. The AirDome is placed at the bottom of the pot, covered with compost and then connected to an air pump.

- To maximise the effectiveness of the AirDome use a 'fluffy' mix, such as 50% good quality compost or coco and 50% perlite.
- Provides the plant with additional oxygen to boost growth and increase yields significantly.
- Soon to be available solar power air pumps, that can be used with great effect in your greenhouse - avoiding the need for mains power.

AirDome

Contents:

- 1x AirDome body
- 1x 6mm cross connector
- 4x Pieces of blue bubble pipe
- 1x 0.5 metre length of clear air line
- 1x Full instructions



240
Pots



1220
Pots



commercial systems...

how big can you grow?

There is no limit to the size of growing system. It's simply a matter of adding more trays and larger tanks.

520
Pots



UK: Tomatoes and chillies are grown in runs of 60 plants using the easy2grow system with phenomenal yields and an abundance of produce throughout the months of May to October.



Barbados: Cucumbers, peppers and tomatoes are grown on a commercial scale using 520 pots, which are then sold to a large supermarket chain in Barbados.



Thailand: Tomatoes, chillies and Thai Jasmin are grown in over a thousand pots throughout the year, demonstrating just how versatile and adaptable AutoPot systems are.

Advice

In 1 hectare (10,000 sq/m) you can accommodate approximately 16,000 – 20,000 pots or 8,000-10,000 easy2grow systems dependent on plant size and variety.



commercial systems...

there really is no limit...



1500
Pots



780
Pots



2180
Pots



FEZ Herbs: A range of herbs are grown commercially in both 1Pot modules and the easy2grow system, using 780 pots.

As well as using the systems to commercially grow herbs, the Fez Herbs team also install the AutoPot systems in UK restaurants ensuring that the chefs have a constant fresh supply of produce.



Maldives: Chillies, Cucumbers and Tomatoes are grown in 1500 pots using the easy2grow system. The AQUAbox Straight and Spyder are also used to grow crops of Melons. The produce is then being sold to the Hilton Hotel within the Maldives to promote self sustainability.



Italy: Cucumbers are grown on an expansive commercial scale in 2180 8.5 litre pots. By using larger water tanks and raising them higher from the ground the AutoPot easy2grow system has been extended to fulfil the commercial grower's needs with great success.



Specialist Accessories

AutoPot provides a wide range of fittings for our products to allow you to create all types of systems and set ups.

We provide 16mm and 6mm fittings, filters, grommets for tanks, taps, pipe... **everything you will need to set up a complete large scale system.**

AutoPot FlexiTank

- **Capacity 100 litres**
Size and weight of box - 74x18x13cm/1.9kg
- **Capacity 225 litres**
Size and weight of box - 80x18x13cm/3kg
- **Capacity 400 litres**
Size and weight of box - 110x18x13cm/4.15kg
- **Easy to ship and store**
- **Fits where other tanks cannot go**



*Washed gravel at the bottom of the pot can also be used for additional drainage if required

Recommended substrates

An ideal substrate for use in AutoPot systems is a 50% mix of perlite with either soil or coco. AutoPot Watering Systems have grown plants in a vast range of substrates from coral, to denim, pumice stone... we are now using the systems for aeroponic plant growth.

- **WARNING:** If using clay pebbles, whether at the bottom of the pot as additional drainage or as part of a mix, they must be pH stable. Be aware that certain brands are NOT pH stable and will increase the pH of the water in the tray affecting plant growth.
- Always use a good quality soil or coco
- Which ever substrate you decide to use make sure the mix is light and fluffy.
- All AutoPot Watering Systems are extremely versatile and can be used with the medium / substrate of your choice. Whether growing in soil, coco, or hydroponically our systems exceed all expectations.

! A one part feed designed by AutoPot, especially for AutoPot... suitable for all plants



Available in 250ml / 1ltr / 5ltr / 20ltr

The easy2grow liquid feed has been specially formulated to be used with all the AutoPot products. During recent trials it outperformed all the rest. easy2grow liquid feed is perfect for use with all kinds of vegetables, fruit and plants.

- Simple to use 1 part feed
- Added seaweed
- Minimal sediment build up, ensuring clean lines and piping
- Dilutes extremely well in water
- Remains mixed and does not separate



United Kingdom

Little Growers now has over 40 school projects across the UK working with children of all ages and abilities. Little Growers UK has a vast range of projects, from 60ft greenhouses to 40 square metre plots of raised beds where the children grow a variety of produce throughout the year.



Japan

Little Growers now has three schools in Japan using both the easy2grow system and the AQUAbox Straights with great success. Green space is limited in the school areas, Little Growers allows the children first hand experience of growing their own produce.



Maldives

Little Growers now has five schools in the Maldives using the easy2grow system and the AQUAbox Spydys. The children grow a range of produce which is then sold to hotel chains for use in their restaurants.



AutoPot are the proud and long standing sponsors of Little Growers...

Little Growers provides horticultural equipment, advice and support to schools across the UK and now worldwide, encouraging children and communities to grow, learn and work together for a healthier and greener future. Little Growers offer a range of horticultural equipment to schools including:

- AutoPot irrigation systems to overcome the key hurdle of watering at holidays and weekends
- Polytunnels • Raised Beds • Seeds
- Horticultural advice, know how and learning resources

www.littlegrowers.co.uk

Advice

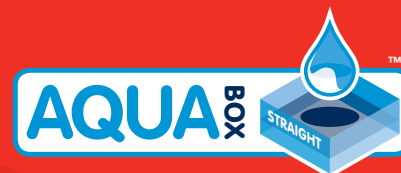
Ensure the AQUAbox is level in the soil by using the circular spirit level in the lid.

**AQUAbox Straight irrigating a narrow raised bed**

Growbag – method 1



Growbag – method 2



The AQUAbox Straight incorporates the AQUAvalve technology but is designed to be placed directly in the ground.

Ideal for:

-  **large planters**
 **grow bags**
-  **narrow raised beds**
 **allotments**

- Simply place the AQUAbox Straight in the ground and connect to a waterbutt or tank.
- The capillary matting pulls the water from the AQUAbox Straight and distributes it into the soil below.
- The roots instinctively head to the water source and attach to the capillary matting.
- Perfect for use in narrow raised beds or grow bags to water your plants for days or weeks at a time.
- You can connect several AQUAbox Straights to one waterbutt or tank to irrigate a larger area.

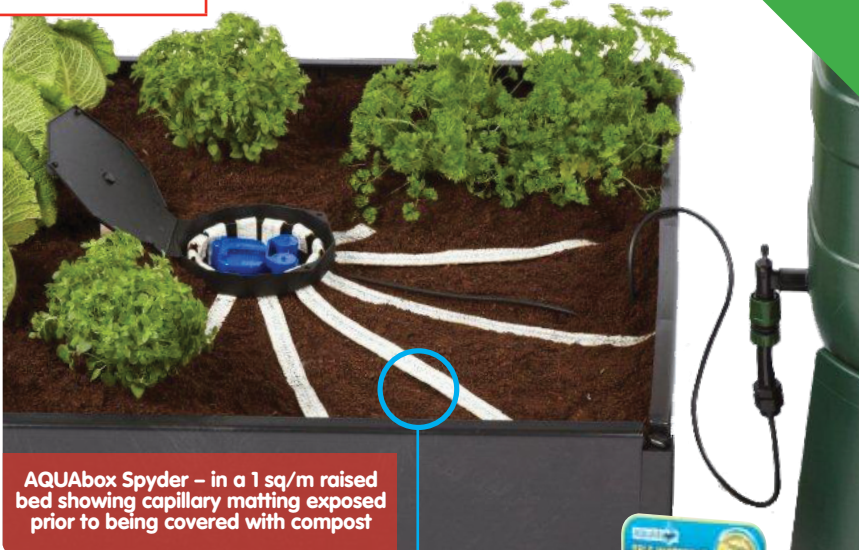
AQUAbox Straight**Contents:**

- 1x AQUAbox Straight
- 1x AQUAvalve
- 1x Circular Spirit Level
- 1x 6mm Top Hat Grommet
- 1x 2 meter length of 6mm pipe
- 1x Piece of Capillary Matting
- 1x 16mm – 6mm inline filter

Advice

Ensure each strip of capillary matting slopes away from the AQUAbox Spyder at a slight gradient.

UP TO 1.2sqm
of watering area



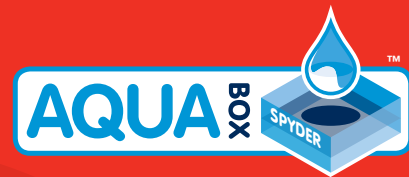
AQUAbox Spyder – in a 1 sq/m raised bed showing capillary matting exposed prior to being covered with compost

**Capillary Matting**

Replace the matting every season, roots head instinctively towards the water source and attach to the matting.



AQUAbox Spyder retail pack and display unit



The new AQUAbox Spyder offers a revolutionary automatic watering solution for (Grow Your Own enthusiasts).

No mains water supply, pumps or timers are required. Simply connect to a water butt or tank to automatically water and feed your plants.

- Ideal for raised beds and allotments
- The AQUAbox Spyder is placed directly in the ground and can irrigate an area of up to 1.2 sq metres once connected to a waterbutt or tank.
- The capillary matting distributes the water from the AQUAbox Spyder under the soil via the 12 pieces of matting, ensuring the whole area is irrigated.
- We are confident that there is nothing available worldwide that offers such versatility for direct soil watering whilst maintaining AutoPot's efficiency and simplicity.

AQUAbox Spyder**Contents:**

- 1x AQUAbox Spyder
- 1x AQUAvalve
- 1x Circular Spirit Level
- 1x 6mm Top Hat Grommet
- 1x 2 meter length of 6mm pipe
- 1x 6 meter length of Capillary Matting
- 1x 16mm – 6mm inline filter



watering systems

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