



watering systems



www.autopot-usa.com

Welcome to AutoPot

From the greenhouse in your garden to acres of commercial glasshouses; AutoPot can provide any grower of any ability with a watering system, large or small, that will far exceed their expectations.

Thanks to the AQUAvalve technology; AutoPot is the only watering system in the world where each individual plant controls their own irrigation and receives fresh nutrient enriched water exactly when they need it.

By consistently meeting the plants requirements, growers using AutoPot achieve even growth across the entire crop.



Why use our watering systems?

- ▶ Healthier, heavier yielding plants that receive fresh feed whenever they need it
- ▶ No more daily watering, the system can be left unattended for weeks
- ▶ All our systems operate without electricity, pumps, timers or mains water
- ▶ Proven to be one of the most water efficient irrigation systems worldwide
- ▶ Environmentally sustainable, no water is ever lost
- ▶ Can be used to grow any crop variety; edible or ornamental
- ▶ Adaptable and easily extended in minutes

AutoPot makes growing as simple as it can be... less effort bigger yields

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For more information on system sizes visit autopot-usa.com



3D

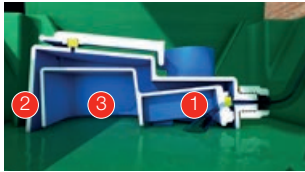
The AQUAvalve is supplied with every AutoPot Watering System. Once connected to the water supply, the AQUAvalve will control the flow of water to the plants by simple gravity pressure from a reservoir or tank of any size. No pumps, mains water pressure, electricity or timers are required.

The latest, updated AQUAvalve features a 50% larger aperture for faster flow, a quicker fill and reduced risk of blockage from mineral deposits.

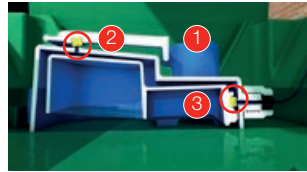
Once connected to a reservoir the AQUAvalve will open and allow water to fill the tray to a pre-set level of ¾". The AQUAvalve will not refill the tray until all the water has been used; this ensures that the plants are not constantly sat in water. Once all the water has been used by the plants the AQUAvalve will re-open and refill the tray.

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

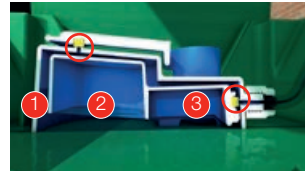
How the AQUAvalve works



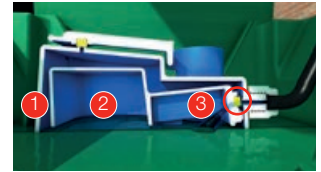
Once the reservoir is filled with water and liquid feed, it will begin to travel through the pipe from the reservoir. It will pass through the AQUAvalve nozzle (1) and into the tray. As the tray fills (2) with water air is trapped inside the main body and around the 'inner float' causing it to rise (3).



As the water level increases in the tray the 'top float' will rise (1). Releasing the trapped air inside the main body (2). This will in turn allow the 'inner float' to rise and shut off the supply (3). The water level is now ¾"



Potted plants in the tray will start to reduce the water level (1). As the water level reduces the 'top float' will close creating a vacuum inside the 'main body' of the AQUAvalve (2). This vacuum traps water inside the 'main body' and in turn keeps the 'inner float' up and the incoming water shut off (3).

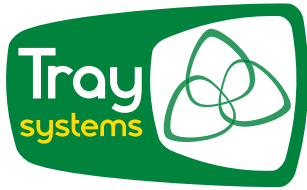


When the water level in the tray has run out completely (1) the surface tension around the main body of the AQUAvalve will break, this can take up to 30 minutes. As this happens all the water that is trapped inside the 'main body', is trapped inside the 'main body', keeping the 'inner float' up and the water supply shut off is released, allowing the 'inner float' (2) to drop and open the water supply (3).

Tips

1 When connecting ¼" or ½" pipe always ensure that the end of the pipe is dipped in hot water first, this will soften the pipe and allow you to connect fittings with ease.

2 When potting up, use a small brush to remove any soil stuck to the sides and bottom of the pots before you place them into the tray. This will ensure the tray and AQUAvalve are kept clean and free of floating growing medium.



Maximise growing space. Minimise maintenance.

Tray systems bring all the space-saving, light-optimising, low-maintenance advantages of irrigating multiple pots in a single tray and lid assembly together with AutoPot Watering Systems.

With your pots arranged together, system footprint is reduced and fewer lights are needed. Hard-to-access spaces become a viable option thanks to reduced maintenance on just one AQUAvalve. And all of this driven by AutoPot's gravity-fed AQUAvalve technology. You're still growing power-free, with not a drop of water wasted.

For further details see pages 6-7



Get bigger, stronger plants faster.

AutoPot XL SmartPot offers growers all the benefits of using the original fabric SmartPot in an AutoPot Watering System.

The porous sides of our custom made SmartPots allow for air pruning. This effectively eliminates root circling and helps produce a fibrous root structure with vastly improved moisture and nutrient uptake. Porous pot sides also increase oxygen exchange in the substrate - supercharging growth.

For further details see pages 12-14



For the biggest plants under cultivation.

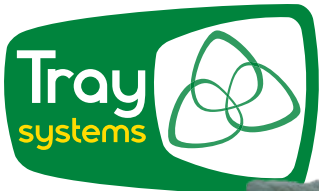
Protect your nutrient solution and substrate from temperature fluctuation, algae and debris when growing in large open trays using our light-tight, heat-reflective PlantSkirt.

Paired with an easy2GO Kit it provides a solution for growing even the largest of plants with AutoPot Watering Systems.

For further details see page 19



New Products



Maximise growing space. Minimise maintenance.

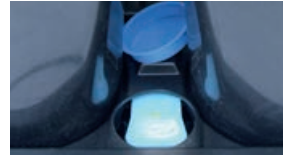
Irrigate multiple pots in a single tray and lid assembly, all fed by a single AQUAvalve, radically reducing the footprint and system maintenance.

Take advantage of all the space you have without the concern of accessing a vast number of individual pots and trays. Tray systems irrigate with zero run-off so don't require plumbing for waste water and fewer lights are needed with plants arranged less loosely. Ideal for rolling benches and vertical racking.

And there's still no compromise on efficiency. Tray systems run on exactly the same plant-controlled, gravity-fed, AQUAvalve-driven technology as all AutoPot Watering Systems. You grow power-free, with not a drop of water wasted.



Compact design



Efficient technology



Responsive growing



Auto3 XL offers a compact, flexible growing solution to commercial producers and independent hobby horticulturists alike.

Though it was commercial demands that brought tray systems into being, we always believed that the same requirements existed for individual growers everywhere.

Now even homegrowers with limited space can enjoy the benefits of a space-saving, ultra low-maintenance AutoPot tray system.

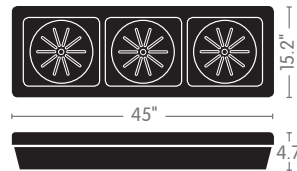
Auto3 XL packs three 6.6gal plastic pots or three 5gal fabric SmartPots into a single tray and lid assembly measuring 45" x 15"



Above: Auto3 XL with the no-cost option of fabric SmartPots which allow oxygen exchange in the substrate and facilitate air-pruning.



- ▶ Compact tray for flexible positioning
- ▶ Increased pot count per sq foot
- ▶ Ideal for hobby or commercial use



Cultivating with tray systems benefits growers in three key areas:

Growing space

- Maximise your available growing area
- Utilise vertical space without increasing workload
- Ideal for moveable racks and rolling tables

Overheads

- Draws no more water than individual modules
- Requires no plumbing for waste water
- Fewer components equals lower maintenance

Plant health

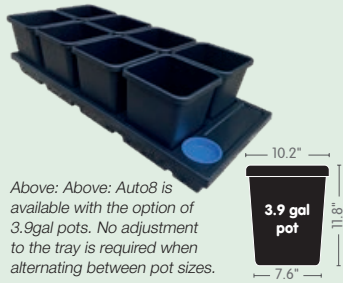
- Moulded base minimises standing water
- Use fabric pots with Auto XL SmartPot
- Lid blocks light and debris from entering tray



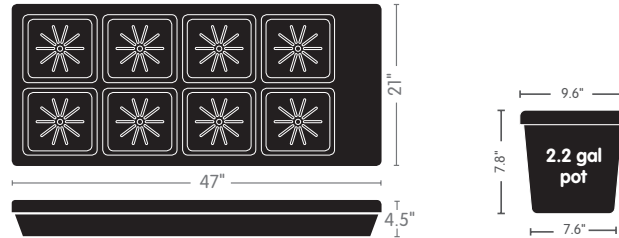
Grow what you want, when you want, whilst still enjoying the space and maintenance saving benefits of a tray system.

Auto8 accommodates both 2.2gal and 3.9gal square pots. You can interchange at will - no adjustment to the tray is required. You can house plants at various stages of development in the same tray system. Swap plants in and out with ease as needed.

Auto8 comes with 2.2gal plastic pots as standard with the option to upgrade to 3.9gal plastic pots.



Above: Above: Auto8 is available with the option of 3.9gal pots. No adjustment to the tray is required when alternating between pot sizes.



- ▶ Fit two Auto8 in a 4ft x 4ft tent
- ▶ Auto8 fits 2.2gal or 3.9gal pots
- ▶ Houses plants at all stages



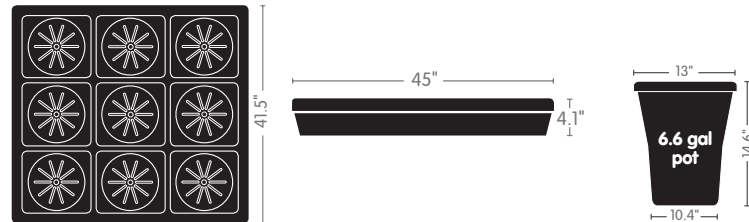
Developed with our commercial partners to pull as much profit as possible from every square foot, Auto9 XL is the embodiment of joined up thinking.

It combines nine pots and one AQUAvalve in a single, beautifully engineered tray system. Vastly reduced maintenance, thanks to the single AQUAvalve, makes the Auto9 XL ideal for vertical racking and rolling tables where maintenance access can be a challenge.

Like all AutoPot tray systems it is simple to install and irrigates with zero run-off, negating the requirement for waste water plumbing.



Above: Auto9 XL SmartPot features the original BPA-free fabric SmartPot as a no cost option.



- ▶ Use fabric or plastic pots
- ▶ Multiple Auto9's easily linked
- ▶ Ideal for multi-level production

😊 Tips

- ① When positioning ensure the trays are level. The spirit level in the AQUAvalve cover will provide a good indication.
- ② Use a good, air retentive media, see our substrate guidelines on page 27 for details.

- ③ Auto9 XL is available with our 6.6gal XL plastic pots or the original, BPA-free, lead-free fabric SmartPot as a no-cost option.
- ④ Auto9 XL SmartPot (ft. 5gal fabric SmartPots) is supplied with root control PotSocks. The PotSocks should be fitted over the external base of each fabric SmartPot in order to contain the roots and prevent them from interfering with the function of the AQUAvalve.



The 1Pot module is the number one best seller for AutoPot in the UK and performs extremely well in both national and international horticultural markets.

Whatever medium you choose the 1Pot system enables gardeners and growers of all abilities to achieve incredible yields from their plants. The 1Pot System is easily extended and many 3.9 gal pots can be linked to a single reservoir. The pots and trays are modular and can be easily spaced apart as plants grow. Once assembled, the reservoir is filled with water and liquid fertiliser (if required), the system will completely take care of all your plant's feeding requirements, providing them with fresh, balanced feed throughout their entire life cycle.

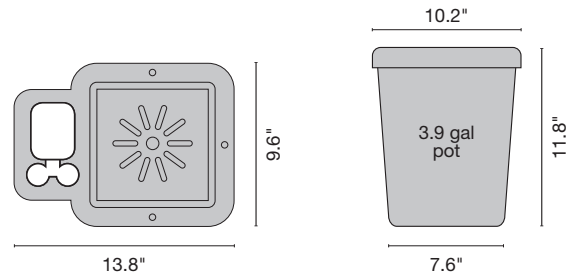
This versatile system can be used in the home, greenhouse, poly-tunnel or garden to feed and water your plants and offers an easy and efficient watering system for all manner of crops whether edible or ornamental.

3D

Accessories + fittings



Dimensions



😊 Tips

- ① The 3.9 gal pots used in the 1Pot module and the 2.2 gal pots used in the easy2grow system are interchangeable and can be used in either tray design.
- ② We recommend using four 1Pot modules per square metre of growing space.
- ③ To ensure even better growing results it is highly recommended to place 1" (25mm) of washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.

4Pot System
with retail box



24Pot System



80Pot System



100Pot System



1Pot System™ layouts

1Pot Systems are available in a range of size layouts including

1 2 4 6 8 12 24 36 48 60 80 100 1,000 10,000

The 1Pot System™
will just keep extending

It does not stop at 100 pots



3D

The easy2grow system is AutoPot's best-selling watering system worldwide. Whether using the easy2grow starter kit in a garden or multiple easy2grow extension kits on a vast commercial scale, this system provides fresh, balanced feed to your plants throughout their entire life cycle.

The 2.2 gal pots and modular 2Pot trays can be used to grow a wide variety of crops and are ideally suited to either short, bushy varieties like herbs or strawberries, or tall growing vine plants, where multiple kits can be placed end on end in a garden, greenhouse or poly-tunnel.

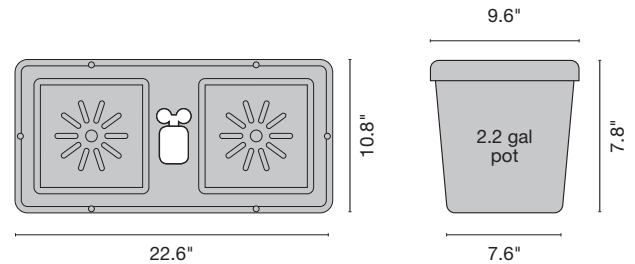
The easy2grow system can be used with a wide range of growing substrates, either traditionally with soil or hydroponically.

Low maintenance, reliable and automated; the easy2grow system allows gardeners to relax, go away on holiday and still be sure of healthy plants and bumper harvests.

Accessories + fittings



Dimensions



Tips

- 1 Raise your reservoir to a minimum of 6" above the highest AQUAvalve and re-fill the tank when there is approximately a 1/3 of solution left. This will keep the valves working effectively.
- 2 We recommend using three easy2grow modules (6 plants) per 16sq ft of growing space.
- 3 To ensure even better growing results it is highly recommended to place 1" (25mm) of washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.

easy2grow kit



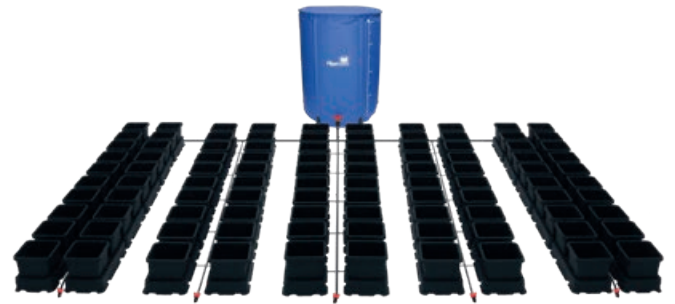
easy2grow 40



easy2grow 80



easy2grow 100



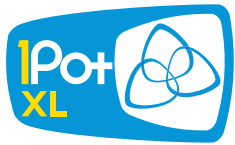
easy2grow System™ layouts

easy2grow Systems are available in a range of size layouts including

2 4 6 12 16 20 24 40 48 60 80 100 1,000 10,000

easy2grow System™
will just keep extending

It does not stop at 100 pots



Developed by AutoPot to meet the demands of the ambitious gardener, featuring a MASSIVE 6.6 gallon growing capacity the 1Pot XL is perfect for growers looking to cultivate BIG plants and achieve even BIGGER yields.

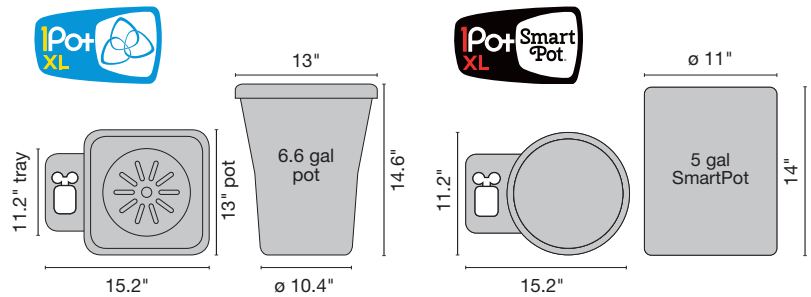
This original design has a clam shaped tray that accommodates the large volume 6.6 gallon XL pot. The round based pot enables the grower to easily rotate a big plant while the pot is still in the tray.

AutoPot XL SmartPot Systems take the immense capacity and versatility of the XL System and incorporate the original, market-leading SmartPot. All our XL Systems are now available with 5 gal fabric SmartPots at no extra cost.

SmartPot's porous, BPA-free, lead-free fabric sides allow for air pruning which effectively eliminates root circling and gives you bigger plants from smaller pots. This same porosity also increases oxygen exchange in the substrate which supercharges growth.

The 1Pot XL and XL SmartPot Systems are supplied with all necessary connections and the AQUAvalve that controls the water supply to each and every plant in the system, delivering fresh, balanced feed throughout their entire life cycle.

Dimensions



☺ Tips

- ① Ideal for large specimen plants, such as Blueberry bushes or Japanese Maples, the 1Pot XL can be used as a single unit system or linked to larger reservoirs to create huge systems of any size or configuration.
- ② Growing over 6 plants? Increase the size of your reservoir and pipe, use 1/2" / 1/4" crosses and tees to connect your AQUAvalves to the 1/2" supply pipe.
- ③ We recommend using two 1Pot XL modules per square metre of growing space.
- ④ To ensure even better growing results it is highly recommended to place 1" (25mm) of washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.

8Pot XL System



XL SmartPot 24 System



XL SmartPot 80 System



100Pot XL System



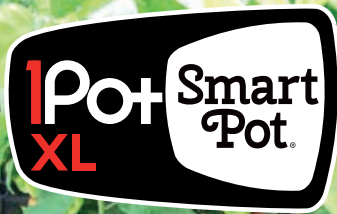
1Pot XL / XL SmartPot System™ layouts

1Pot XL / XL SmartPot Systems are available in a range of size layouts including

1 2 4 6 8 12 24 48 60 80 100 1,000 10,000

The XL System™ will just keep extending

It does not stop at 100 pots



The Original SmartPot

All our XL Systems are now available with the option of fabric SmartPots at no extra cost.

These highly durable, extensively reusable pots are constructed using a BPA-free, lead-free material, certified against off-gassing or leaching.

Their beautifully conceived construction features a uniquely rigid base for a fabric pot - keeping your plants upright.



Stronger Healthier Roots

Can your pot shape a stronger, healthier root structure, a structure that maximises your plant's moisture and nutrient uptake? SmartPot can.

SmartPots achieve this through air-pruning. When root tips reach the porous side of a SmartPot they are deterred from extending any further by the air outside. Secondary feeder roots then develop within the pot, creating a fibrous root structure which is vastly superior in feeding the plant.



Bigger Plants - Faster Growth

Air-pruning not only improves structure but actively eliminates root circling, making it possible to produce bigger plants from smaller pots.

The porosity of the SmartPot sides also allows improved gas exchange in the substrate. Free to breathe the root zone can see dramatically enhanced oxygen levels - supercharging growth.



SmartPot features:

- 1 BPA-free, lead-free material - unlike many other fabric pots.
- 2 A design perfected through decades of use and development.
- 3 Extensively reusable with a life-span that far exceeds that of all other fabric pots on the market.

SmartPot Tips:

- 1 When growing with fabric pots it is important to monitor humidity - the breathability of the fabric pot means the humidity of the growing area may be increased.
- 2 The top of the SmartPot can be rolled downwards - allowing you to reduce pot capacity as required.



WhitePots - Happy Roots, Bigger Fruits!

Protect your plant's root system from high or shifting temperatures with AutoPot WhitePots. The WhitePot reflects extremes of heat away from the root system. By shielding the roots in this way WhitePots help prevent the adverse effects of hot or varying temperatures on a plants growth management.

Growing in WhitePots is a simple and effective way to maintain constant temperatures for your roots allowing your plants to steadily thrive.

- ▶ Reflects light and heat
- ▶ Specially designed for use in hot environments
- ▶ Helps reduce root temperatures



As well as assisting with root temperature stability for European growers WhitePots are currently in full commercial use in a number of locales with extreme climates. WhitePots have proven a huge success in Thailand, Saudi Arabia, the US and the Pacific Islands.



WhitePot 6.6 gal fits an XL Tray

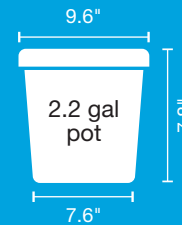


WhitePot 3.9 gal fits a 1Pot or easy2grow Tray



WhitePot 2.2 gal fits a 1Pot or easy2grow Tray

Dimensions





Struggling to fit a plastic reservoir into your car or home is now a thing of the past! The FlexiTank range is available in a variety of sizes and revolutionises water storage for every gardener, whether on a domestic or commercial scale. FlexiTanks reduce storage and shipping costs and take minutes to assemble, no tools required.

Everything a gardener needs in one compact box.

It really couldn't be simpler.



3D

FlexiTank features

- ▶ Fully collapsible
- ▶ Easy to ship and store
- ▶ Fold away into one compact box
- ▶ No tools required for assembly
- ▶ Lightweight and durable
- ▶ Fits where other reservoirs cannot go



The 6.6 and 13 gal FlexiTanks allow you to grow almost anywhere. Perfect for hobby and small-scale growers these additions to the FlexiTank range mean that almost no space is now too small for a system.

Dimensions (when filled with water)



Box size and weight:
14.2"x6.3"x5.1"/2.9lbs



Box size and weight:
20.5"x6.3"x5.1"/4lbs



Box size and weight:
31"x7"x5"/4.4lbs



Box size and weight:
31"x7"x5"/7lbs



Box size and weight:
44"x5"x7"/9lbs



Box size and weight:
46"x7"x5"/14lbs



Box size and weight:
35"x8"x6.5"/16.5lbs



The Revolution Refined: the FlexiTank Pro offers even greater scope for growing with AutoPot Watering Systems in extreme climates. The elegance of FlexiTank Pro's reflective and light-tight skin is the embodiment of form and function combined.

The FlexiTank Pro's skin beautifully disguises an extremely rugged, fully collapsible design within. Concealed tank supports and internal capacity markings add neat edges to the proven, ultra-strong, ultra-practical FlexiTank design.

- ▶ Reflective and light tight
- ▶ Ultra-strong, anti-tip design
- ▶ Internal capacity markings
- ▶ Simple assembly in minutes
- ▶ All fittings included
- ▶ Attractive retail box packaging

Accessories + fittings

FlexiTank and FlexiTank Pro utilise the same accessories and fittings for easy integration with existing AutoPot Watering Systems



Dimensions (when filled with water)



Box size and weight: 20.1" x 20.1" x 5.1"/7.5lbs



Box size and weight: 24" x 24" x 5.1"/11.7lbs



Box size and weight: 30" x 30" x 5.1"/15.6lbs



3D



Turn any gardening tray into an AutoPot System! By incorporating the AQUAvalve, the easy2GO Kit will keep your plants automatically irrigated using a simple flat-based tray and reservoir. The easy2GO Kit is placed directly onto the tray along with your potted plants and distributes water to the pots from below.

Ideal for growers looking to use very large pots or simply keep multiple smaller pots irrigated in one tray.

Multiple kits can be linked together from a single reservoir to keep larger volumes of plants watered and the easy2GO Kit can be installed anywhere; in your home, greenhouse, conservatory or balcony.

Going on holiday? The easy2GO Kit is the ultimate watering kit for happy, healthy plants. Unlike other holiday watering kits, the easy2GO Kit provides optimum levels of water to meet the plants requirements - without the need for timers or electricity - ensuring you return from holiday to plants that are thriving.

This inexpensive, flexible system can be assembled in minutes and contains all fittings required to connect to a reservoir of your choice. You simply need a water container with a minimum 6.6 gallon capacity and a flat based gardening tray with a minimum depth of 1.2".

easy2GO Kit in 4 simple steps

- 1 Connect reservoir to the easy2GO Kit
- 2 Place easy2GO Kit on a level tray
- 3 Place your plant pots in the garden tray
- 4 Fill reservoir with water and liquid fertiliser (if required)



Ideal for irrigating large pots



PlantSkirt ensures tray stays free of debris and algae

Tips

- 1 Use the spirit level on the easy2GO Kit to ensure the tray is level.
- 2 Place washed gravel / clay pebbles or similar in the bottom of each pot, to aid drainage.
- 3 For the best results, we recommend mineral fertilizers. Do not use organic fertilizers, as they have a tendency to block small pipe work.
- 4 Always place easy2GO Kit directly on the trays surface, never sit it on capillary matting.



Above: PlantSkirt will fit trays from 30" to 40" sq and a solid or fabric pot with a max diameter of 27".

AutoPot PlantSkirt is a light-tight, heat-reflective shield that protects nutrient solution and substrate when growing in large open trays. Paired with an easy2GO Kit, it provides a solution for growing even the largest of plants with AutoPot Watering Systems.

Large, open garden trays lack the protection to substrate and nutrient solution which is normally afforded by the snug-fitting pots, trays and lids found on our modules. This problem is resolved by the PlantSkirt.

Secured around the middle of the pot and around the outer rim of the tray, this innovative skirt helps maintain stable temperatures in your substrate and nutrient solution. The heat and light that would otherwise cause nutrient solution to evaporate is instead reflected back onto the plant to its greater benefit and invasion by algae or debris is averted.

- 1



Position your pot centrally in your tray. Fill pot with substrate and pot up plants. Hand water through pot and allow to drain.
- 2



Place AQUAvalve PotSock onto the tray. Place easy2GO Kit into the AQUAvalve PotSock. Connect the AQUAvalve to your water supply using 1/4" pipe.
- 3



The PlantSkirt is secured around the middle of the pot and the outer rim of the tray. Secure in place with the PlantSkirt's drawstrings.
- 4



Once the drawstrings are pulled tight the PlantSkirt provides an effective seal preventing light and debris from entering the tray.

Using PlantSkirt with



and Garden Trays

Typically you will require



easy2GO Kit



Garden Tray
30-40" sq



AQUAvalve
PotSock



Solid or
Fabric pot



Substrate



Reservoir

PlantSkirt - Key Qualities:

Prevents risk of algae growth in open trays

Reflects light back onto plants – enhancing growth

Stops the evaporation of nutrient solution

Keeps temperature stable in nutrient solution and substrate

easy2kit™ Propagate



easy2Propagate's size and features deliver entirely new levels of growing potential and plant control.

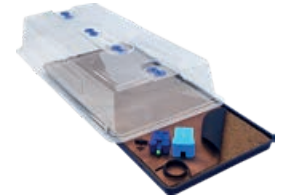
A cavernous 8" lid height offers your plants more headroom than any other single piece propagator lid available giving you greater choice as to when you transplant. Four large, fully adjustable vents allow growers unparalleled scope to fine-tune an environment in which young plants can thrive.

easy2Propagate ties together the proven growing technology of the AutoPot range. Fitted with four ¼" piping ports, it is designed to accommodate an AQUAvalve for easy integration with low maintenance AutoPot Watering Systems. The lid and kit contents slot together in minutes to create a stunningly effective propagator.

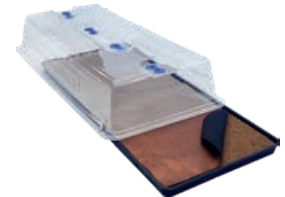
Available in four different kit configurations



easy2Propagate Complete



easy2Propagate Extension

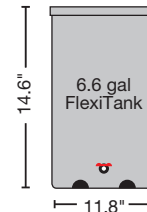
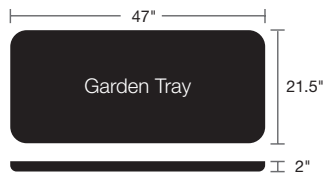
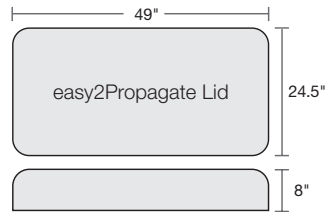


easy2Propagate Basic



easy2Propagate Lid

- ▶ Control your plants environment to accelerate rooting.
- ▶ Water young plants and cuttings with confidence.
- ▶ Increase strike rates with large volumes of young plants.
- ▶ All easy2Propagate kits and lids fully boxed.
- ▶ Ultra-strong lid easy to ship even as a single unit.



FlexiTank dimensions when filled with water

☺ Tips

- 1 Use heat pads under the tray or propagation lights above it to warm the water in the tray and create humidity.
- 2 We recommend a target temperature of 70-80°F / 25-30°C with minimum 80% humidity.
- 3 If you are using raised pots, such as terracotta pots or bonsai pots, a small length of capillary matting can be cut and pushed inside the hole at the bottom of the raised pot. The capillary matting will act as a wick.

AQUAplate




AQUAplate simply brings a whole new dimension to your AutoPot Watering System. Everything you need to adapt an AutoPot tray for pure hydroponic growing is contained within the kit. The seamless integration that AQUAplate affords you saves time, expense and allows you to grow in our proven, highly efficient, low-maintenance irrigation system.

Collar and mesh pot your plants, slot them into the plate and drop into your AutoPot tray and you're growing hydroponically!

In an AutoPot system with AQUAplate plants thrive through only ever receiving fresh irrigation and nutrients unlike recirculating systems.



- ▶ Grow free from substrate
- ▶ Give plants direct root access to nutrient rich water
- ▶ Encourage faster, stronger root development
- ▶ Contains all you need to adapt your existing AutoPot system for AQUAplate growing
- ▶ Includes PotSock for superior root control
- ▶ Simply drops into an AutoPot tray



AQUAplate Circle fits an XL Tray



AQUAplate Square fits 1Pot or easy2grow trays



Tips

- 1 Add an airstone to the tray for supercharged growing.
- 2 AQUAplate is the ideal growing environment for quick to harvest plants such as leafy greens.



the concept



3D

The AQUAbox incorporates the AQUAvalve technology used throughout the AutoPot range and expands it to irrigate a large growing area rather than a single plant pot. Ideal for raised beds, large planters, grow bags and allotments the AQUAbox is placed directly in the ground and distributes water and nutrient to the surrounding soil using capillary matting.

The AQUAbox ensures your plants are watered for days or weeks at a time making it the perfect irrigation solution for weekends away, holidays or year-round watering. They require no electricity, pumps, timers, mains water to operate and are ideal for use in allotments or home gardening. A connection to a reservoir is all that is needed. Water from the reservoir is simply supplied by gravity to the AQUAbox.

We are confident that there is nothing available worldwide that offers such versatility for direct soil watering whilst maintaining AutoPot's efficiency and simplicity.

There are two products in the AQUAbox range;

AQUAbox Straight is designed for narrow raised beds and grow bags.

AQUAbox Spyder is designed for larger raised beds and allotments.



AQUAbox Straight



AQUAbox Spyder

Tips

- 1 Ensure the AQUAbox is level in the soil by using the circular spirit level in the lid.
- 2 Connect multiple AQUAbox Straights or Spydres to one water supply to irrigate a larger area.

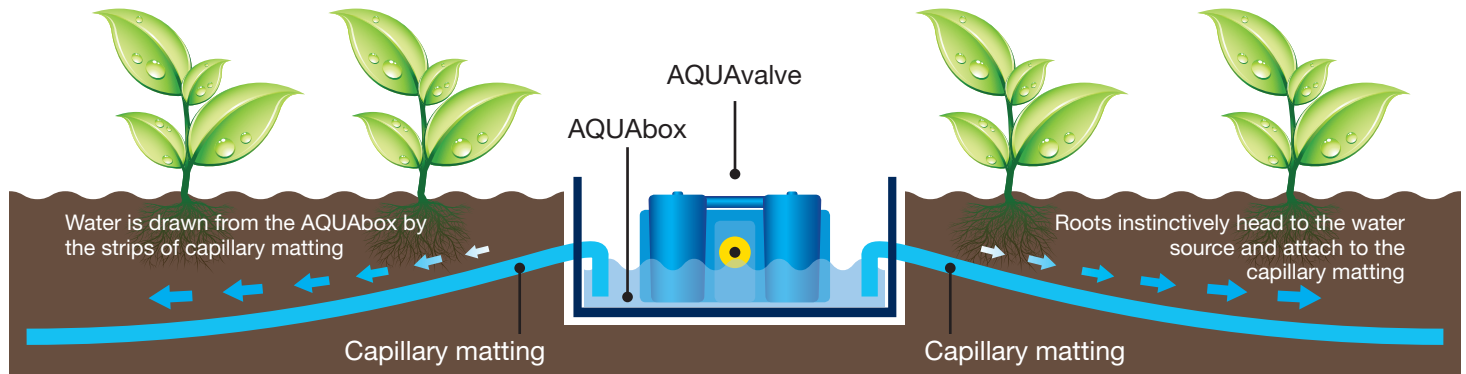
AQUAbox growing in 5 easy steps

- 1 Simply place the AQUAbox and capillary matting into the ground.
- 2 Connect to a tank or reservoir.
- 3 The capillary matting pulls the water from the AQUAbox and distributes it into the soil below.
- 4 The roots of your plants head to the water source and attach to the capillary matting.
- 5 Top up the tank or reservoir with water and liquid fertiliser (if required).

Retail unit



How the AQUAbox works



Tips

- 1 Ensure each strip of capillary matting slopes away from the AQUAbox at a slight downward gradient.
- 2 Roots will attach themselves to the matting. For best results, replace capillary matting every season.



3D

AirDome features

- ▶ Healthier roots
- ▶ Greater uptake of water & nutrient
- ▶ Faster growth rates
- ▶ Bigger yields

Supercharge your plants! The AirDome has been designed to boost growth and yields by increasing the oxygen content in the pot. More oxygen means a healthier root zone and greater uptake of water and nutrient; your plants will grow bigger and yield significantly more.

In AirDome trials with Luffa plants we achieved an increase in yield of 130%! For more common varieties of fruiting plants, you can expect an increase in yields of up to 30%!

The Domes are very simple to use and take less than 30 seconds to assemble. The AirDome is placed at the bottom of the pot, covered with compost and then connected to an air pump.

can increase yields by up to **130%***



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

😊 Tips

- 1 To maximize the effectiveness of the AirDome use a 'fluffy' mix, such as 50% good quality compost and 50% perlite. Avoid peat based compost as this will compress, reducing the effectiveness of the AirDome.

- 2 If using AirDomes with large systems, consider using larger pumps that allow you to connect 1/2" pipe (standard hosepipe). Mirror your water supply and reduce the pipe to 1/4" at each AirDome connection, using AutoPot fittings. Never blow cold air into the root zone, only warm air.

*increases vary according to plant type and conditions



Pro Filter

Pro Filter introduces growers everywhere to the levels of adjustability and customisation favoured by commercial facilities. Different filter inserts can be used providing the grower with different micron options depending on their growing demands.

Whilst professional growers demand precision they also require products that are durable, reliable and easy to maintain. Pro Filter was designed with these qualities in mind.

The filter has a larger, drum-shaped filter area and a higher micron element for added protection against blockages. It's larger size makes dismantling and cleaning simple.

Fittings

AutoPot provide a wide range of fittings for our products to enable you to create a system to fit your growing space. We provide 1/2" and 1/4" fittings, filters, grommets for tanks, taps and pipe. Everything you need to set up a complete system of any size.



1/4" golf filter



1/2" - 1/4" tee connector



1/2" - 1/4" cross connector



1/2" inline filter



1/2" - 1/4" inline filter



Grommets 1" / 1/2" / 1/4"

SUBSTRATE GUIDE

AutoPot Watering Systems are extremely versatile and can be used with the growing medium / substrate of your choice. Whether growing in soil, coco or hydroponically our systems exceed all expectations.

An ideal substrate for use in AutoPot systems is a 50% mix of perlite with either soil or coco. In growing trials we have cultivated plants in a vast range of substrates from coral to denim and even pumice stone! We are now successfully trialling the systems without media for aeroponic plant growth.

Which ever substrate you decide to use make sure the blend of substrates are capillary active and have the ability to hold plenty of air within the structure.



Soil/Perlite
50 / 50 mix



Growstones/Coco
50 / 50 mix



Soil/Clay Pebbles
50 / 50 mix



Coco/Perlite
50 / 50 mix



Coco/Clay Pebbles
50 / 50 mix



Rockwool/Clay Pebbles
50 / 50 mix

☺ Tips

- 1 Always use a good quality soil or coco from a reputable brand.
- 2 AutoPot strongly recommends that Growstones, washed gravel or pH stable clay pebbles **should** be used at the bottom of each pot to a depth of 1" (25mm), to aid drainage.
- 3 Peat based composts will compress when used in the systems, reducing the oxygen content in the root zone. Mix in perlite or clay pebbles to lighten the compost and improve aeration.
- 4 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; this will negatively affect plant growth.

COCOMAT



CocoMat is the ideal addition for growers seeking a low maintenance irrigation system. The coco fibres and natural latex in a CocoMat wick all the moisture and nutrients a plant requires! Fill your tray just once and CocoMat will water the plants for up to ten days.

To use simply place the CocoMat into a propagation tray. Lay a Root Control Sheet onto the mat and sit small pots or seed trays on top. CocoMats can be cut to fit any size of tray.

CocoMat is available as:



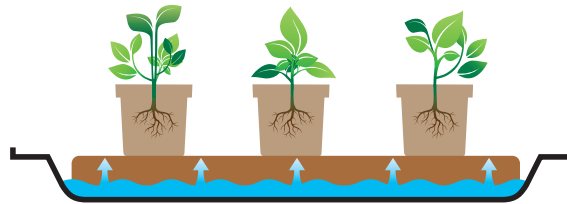
20" x 12" x 1.2"
with Root Control Sheet



22.8" x 20.1" x 1.2"
without Root Control Sheet

CocoMat in 3 easy steps

- 1 Simply place your CocoMat into a tray
- 2 Fill the tray with water
- 3 Place your seed tray on top and grow!



The CocoMat controls watering by holding and gradually wicking the water to the plants via capillary action.

☺ Tips

- 1 When using CocoMats please note that they should be treated before use. Place the CocoMat in pH 4.5 water and keep fully submerged to soak for 24-48hrs. Then rinse and use with pH 5.5 water
- 2 Irrigate larger trays using multiple CocoMats and Root Control Sheets. CocoMats and Root Control Sheets can be cut to fit any size of tray
- 3 If you are using raised pots, such as terracotta pots or bonsai pots, a small length of capillary matting can be cut and pushed inside the hole at the bottom of the raised pot. The capillary matting will act as a wick.
- 4 Team your CocoMat with an AutoPot easy2GO to create an automated watering kit!

CASE STUDIES

The Oxfordshire Chilli Farm, UK

The Oxfordshire Chilli Farm (Plantasia) have been growing capsicums using AutoPot Watering Systems for 7 years. AutoPot Systems offer growing solutions to each variety under cultivation. For large 'super-hot' varieties the XL System provides ideal size and adjustability. Habanero and Scotch Bonnets are served by the 1Pot System. Sweet peppers are grown using the high-wire method in easy2grow with 3.9 gal pots instead of the 2.2 gal as this suits these capsicums better.

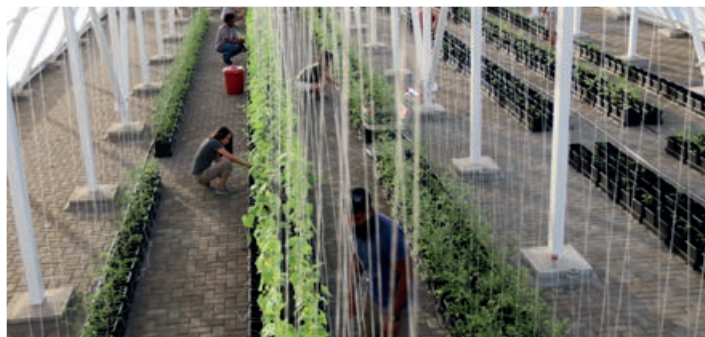


Kunya Beach, Kenya

Kunya Beach Nursery is located in an important horticultural region of Africa. Growers in the area must meet stringent government criteria given the existing demands on resources. AutoPot Watering Systems easily meet these criteria thanks to their water efficiency and power-free operation. For this reason the nursery has attracted a great deal of government and commercial interest. Sustainable horticulture is seen as a great driver for potential local employment. Furthermore the market for affordable, reliable crops is vast and, by utilising such systems, the overheads are minimal.

Green Evolutions Aquaponics, Thailand

Green Evolutions have successfully installed the largest aquaponic AutoPot system in the world at a commercial farm in Bangkok. James Harrison and his team have developed a unique filtration system that ensures no clogging issues with the AQUAvalve, allowing the system to run effectively using only the organic nutrients derived from fish waste. Freshwater fish, kale, basil, tomato plants and muskmelons can all be cultivated using this highly effective and sustainable system. Visit www.twg.fish to learn more.



Farmcity, Mauritius

Farmcity build modern farms for healthier communities. They've developed an easy-to-operate, modular farm model using AutoPot Watering Systems. Their farming model enables great food to be grown on a commercial scale, completely naturally. One of the principal, current operators of the modular farm is Farmcity Mauritius. As an island, Mauritius faces problems owing to its food import dependency. Using sustainable technology such as ours Farmcity hope to set precedents for reversing outside food dependency worldwide. For more information about Farmcity, visit: www.farmcity.co



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.

United Kingdom

Little Growers now has over 100 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 450 square ft 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 products with great success.

Maldives

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

TOP GROWING TIPS

1

The Root Control Discs (RCD) & Marix Discs work in the following configurations;

- a) Black Marix Disc in the pot, RCD in tray gold face up
- b) RCD in pot gold face down
- c) RCD in pot gold face down & RCD in tray gold face up.

2

To ensure excellent growing results it is highly recommended to place 1" (25mm) of Growstones, washed gravel or pH stable clay pebbles in the bottom of each pot. Then place your substrate of choice on top, pot up and water through.

3

If using AirDomes with large systems, consider using larger pumps that allow you to connect ½" pipe (standard hosepipe). Mirror your water supply and reduce the pipe to ¼" at each AirDome connection, using AutoPot fittings. Never blow cold air into the root zone, only warm air.

4

Growing more than six plants - consider using a larger reservoir and supply the water via ½" pipe (standard hosepipe) reducing the pipe to ¼" at each AQUAvalve connection, using AutoPot fittings.

5

Always clean the side and bottom of each pot before you place in the tray, this will remove any soil particles and ensure your system is clean. In turn ensuring your AQUAvalve is kept clean.

6

Always use a good clean liquid/powder mineral fertiliser. DO NOT use liquid Organic fertilisers, thick boosters or additives, if unsure mix a small amount in a glass of water overnight. If the following day the mixture has separated then it is not suitable for AutoPot, as it will separate in the pipework too, potentially causing blockages.



7

Allowing your plants to establish once they have been potted up, watered through and placed in the tray is very important before you turn your system on. The amount of time it takes depends on many factors, plant type, temperature, humidity, size of plant. This is generally 5-21 days dependant on pot size but if you are unsure simply feel the weight of the pot, if heavy there is plenty of moisture in the pot, if light simply turn the system on.

8

Never place an air stone in your reservoir as this can increase the pH of the water, a small water pump will work better but neither is essential.

9

To help keep your pipe work free of sediment build up, ensure you have a tap at the end of your pipework, this should be opened regularly every few weeks and the water allowed to drain into a jug or similar for 30 seconds to 1 minute.

10

Always raise your reservoir to a minimum of 6" (150mm) above the floor, re-fill your reservoir when there is a 1/3 of the water left... Never let your reservoir run empty.

11

Always use a filter with every reservoir, filters should be checked once a month and cleaned if necessary.

12

Always ensure your AQUAvalve is secured to the tray to prevent it from floating as the water floods the tray, if using AutoPot designed trays simply position the half-moon of the AQUAvalve over the Tee section in the tray and push down firmly. If using the AQUAvalve in a garden tray place the newly designed AQUAvalve Cover MK2 over the AQUAvalve.

13

Placing trays on cold concrete floors is not advisable, the water in the tray will be chilled from below and will effect plant growth, consider placing polystyrene, cardboard or similar under each tray to ensure the water temperature in the tray is not affected. Trays can also be raised above the floor if required.

14

Flushing is not necessary with AutoPot, simply re-fill your reservoir with water only and pH balance if necessary and allow the plants to drink water only. This can be undertaken 7-14 days prior to picking your crops.

15

Placing small seedlings directly into the pots is not advisable. Only pot up suitably established plants.



16

Consider placing a humidity dome/lid over each plant when the plants are small and exposed, this will maintain the humidity around the plant speeding up growth.

17

In extreme circumstances of over feeding; pour several litres of pH balanced water into the pot and allow it to drain. Restart feeding with half strength nutrient for the 1st week.



watering systems

Your local distributor / retailer:



Tomatoes growing in AutoPot easy2grow Watering Systems, Kunya Beach, Kenya

Available worldwide



Manufacturer
Email: mail@autopot.co.uk
Web: www.autopot.co.uk



Distributor
Email: info@autopot.fr
Web: www.autopot.fr



Distributor
Email: info@autopot.asia
Web: www.autopot.asia



Distributor
Email: info@autopot.nl
Web: www.autopot.nl



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Web: www.autopot-usa.com