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› AutoPot 4 Pot XL System with 6.6 Gallon Pots and 12.4 Gallon Tank Instruction Manual

AutoPot 4 Pot XL System

AutoPot 4 Pot XL System Instruction Manual

Model: 4 Pot XL System

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your AutoPot 4 Pot XL System. This self-watering system is designed for efficient plant cultivation, suitable for both indoor and outdoor environments. Please read these instructions carefully before assembly and use to ensure optimal performance and longevity of your system.

PRODUCT OVERVIEW

The AutoPot 4 Pot XL System is an automated watering solution that requires no electricity, pumps, or timers. It utilizes gravity to deliver water and nutrients to your plants as needed, promoting healthy growth and significant water savings. The system includes four 6.6-gallon pots connected to a central 12.4-gallon reservoir, ensuring plants receive consistent hydration without over or under-watering.



Figure 1: Overview of the AutoPot 4 Pot XL System, showing the central reservoir and four connected plant pots.

COMPONENTS LIST

Verify that all components listed below are present in your package before beginning assembly.

- 4 x 6.6 gallon pots
- 4 x 1Pot XL tray & lid
- 1 x 12.4 gallon reservoir
- 1 x reservoir lid
- 1 x 3/8" top hat grommet
- 1 x 3/8" filter
- 2 x 3/8" cross connector
- 4 x 3/8" tee connector
- 2 x 3/8" inline tap
- 4 x AQUAvalve5
- 1 x 13' length of 3/8" pipe
- 4 x Root Control Disc (round)



Figure 2: A single 6.6-gallon pot with its tray, illustrating the design of individual components.

SETUP INSTRUCTIONS

1. **Positioning the Reservoir:** Place the 12.4-gallon reservoir in a stable location, ensuring it is elevated above the level of the plant pots. This allows gravity to facilitate water flow.
2. **Installing the Reservoir Filter and Grommet:** Insert the 3/8" top hat grommet into the pre-drilled hole at the bottom of the reservoir. Attach the 3/8" filter to the inside of the grommet.
3. **Connecting the Main Pipe:** Connect one end of the 13' length of 3/8" pipe to the external side of the reservoir grommet.
4. **Assembling the Distribution Network:** Use the 3/8" cross connectors and tee connectors to create a distribution network from the main pipe to each of the four 1Pot XL trays. Ensure all connections are secure to prevent leaks.
5. **Installing AQUAvalve5:** Place one AQUAvalve5 into each 1Pot XL tray. Connect the 3/8" pipe from the distribution network to the inlet of each AQUAvalve5.
6. **Preparing the Pots:** Place a round Root Control Disc at the bottom of each 6.6-gallon pot. Fill the pots with your chosen growing medium (e.g., coco coir, perlite, soil mix).
7. **Placing Pots in Trays:** Position each filled pot into its respective 1Pot XL tray.
8. **Initial Filling:** Fill the reservoir with water and your preferred nutrient solution. Ensure the inline taps are open to allow water to flow into the trays.



Figure 3: An example setup demonstrating how multiple AutoPot systems can be arranged and connected.

OPERATING INSTRUCTIONS

Watering Cycle

The AutoPot system operates autonomously. The AQUAvalve5 controls the water flow to each tray. When the water level in the tray drops, the valve opens to replenish it. Once the desired level is reached, the valve closes, preventing overwatering. This cycle ensures plants receive water and nutrients on demand.

Nutrient Management

- **Mixing Nutrients:** Always mix your nutrient solution thoroughly in the reservoir before filling.
- **pH Monitoring:** Regularly check and adjust the pH of your nutrient solution in the reservoir to suit your plants' requirements.
- **Reservoir Refill:** Monitor the reservoir level and refill it before it becomes completely empty.



Figure 4: Example of a robust root system developed using the AutoPot self-watering method.

MAINTENANCE

- **AQUAvalve5 Cleaning:** Periodically inspect and clean the AQUAvalve5 units to ensure they are free from debris and mineral buildup. This is crucial for proper operation.
- **Reservoir Cleaning:** Clean the reservoir regularly, especially when changing nutrient solutions or between growing cycles, to prevent algae growth and nutrient imbalances.
- **Tubing Inspection:** Check all tubing for kinks, blockages, or leaks. Ensure all connections remain secure.

- **Filter Cleaning:** Clean the reservoir filter to maintain unrestricted water flow.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Water not flowing to pots	<ul style="list-style-type: none"> • Reservoir too low or empty • Inline tap closed • Tubing kinked or blocked • AQUAvalve5 clogged 	<ul style="list-style-type: none"> • Refill reservoir • Open inline tap • Inspect and clear tubing • Clean AQUAvalve5
Water leaking from connections	<ul style="list-style-type: none"> • Loose connections • Damaged tubing or grommet 	<ul style="list-style-type: none"> • Tighten all connections • Replace damaged components
Algae growth in reservoir	<ul style="list-style-type: none"> • Exposure to light • Infrequent cleaning 	<ul style="list-style-type: none"> • Ensure reservoir lid is secure and opaque • Clean reservoir regularly

SPECIFICATIONS

Brand	AutoPot
Model	4 Pot XL System
Pot Capacity	6.6 Gallons (each)
Number of Pots	4
Reservoir Capacity	12.4 Gallons
Material	Polypropylene (PP)
Color	Black
Special Feature	Self Watering
Indoor/Outdoor Usage	Indoor, Outdoor
Product Dimensions	17"D x 17"W x 31"H (overall system dimensions, approximate)
Item Weight	15 Pounds

WARRANTY AND SUPPORT

Information regarding product warranty and customer support for the AutoPot 4 Pot XL System is not available in the provided product data. Please refer to the manufacturer's official website or contact your retailer for details on warranty coverage and support options.

