



# Clone Machine 25 Site™

Grow large in a small space with the **Clone Machine 25 Site™**, the perpetual growth machine.

The Clone Machine 25 Site provides an effective and automated method to deliver optimal levels of water, nutrients, and oxygen for rapid growth rates, higher yields, increased nutritional value, and flavors in a 12"x12" area. Using the Clone Machine 25 Site, cuttings are cloned in a neoprene collar for easy transplanting.

The Clone Machine 25 Site is ideal for cloning up to 25 of your favorite herbs or vegetables.



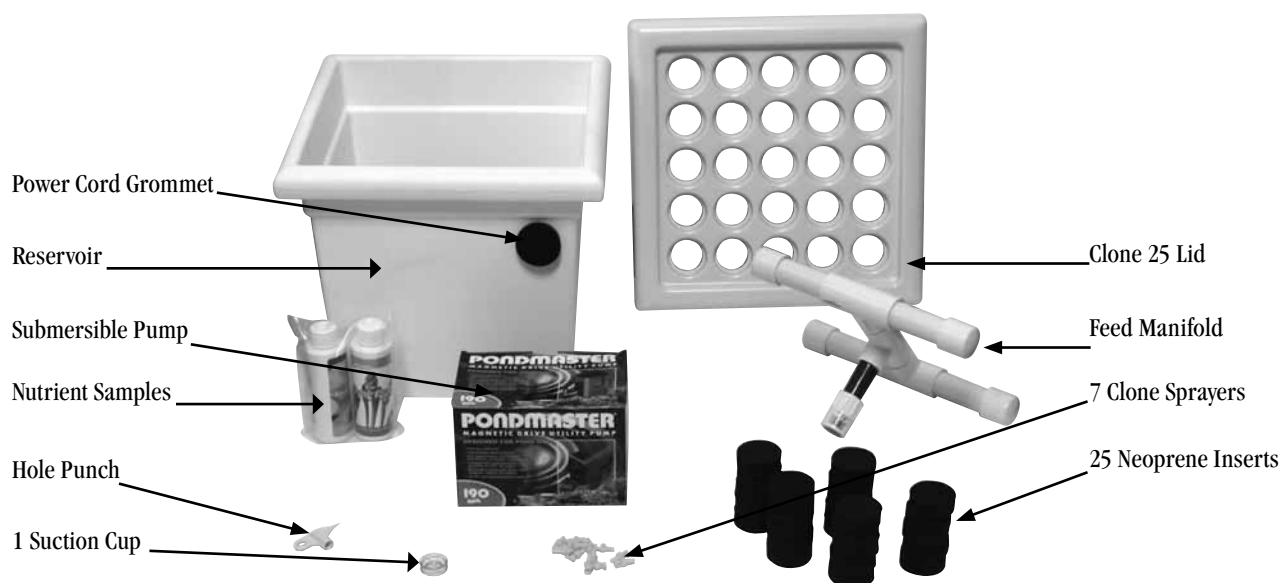
## Features:

- Successfully clone up to 25 plants
- Utilizes the Aeroponic feed method for increased oxygenation to the root zone

## Includes:

- Submersible pump with 2 year manufacturer's warranty
- Sample size of Power Clone™ Solution and AquaShield™

## Clone Machine 25 Site™ Components



NOTE: Systems come with some additional replacement parts.

- 1 First pull all of the system components out of the reservoir, and use the component list to make sure that you have all of the necessary parts.
- 2 Next screw the Feed Manifold onto the outlet side of the pump.
- 3 Position the pump and manifold in the reservoir, the pump is fully submersible and will operate at the bottom of the reservoir.
- 4 With the pump in the reservoir align the manifold so that it is centered in the reservoir.

**NOTE:** Apply suction cup to underside of pump to maintain positioning.

- 5 Pull the pump cord out of the reservoir through the pre-drilled hole.
- 6 Insert the power cord into the power cord grommet and push into the reservoir until the opening is sealed.
- 7 Position the lid on the reservoir.
- 8 Push a neoprene insert flush onto each of the recessed areas on the lid.
- 9 Fill the reservoir with water (2.5 gallons), plug in the pump, and run a wet test.

**NOTE:** You will not have your sprayers installed at this time, but this will allow you to flush out any debris that might be in your system. Let the system run for several minutes. Then turn the pump off and remove any debris from the system.

- 10 Remove the lid and pull the pump and manifold back out of the reservoir. Gently thread a clone sprayer into each of the holes in the top of the Feed Manifold and reposition the pump into the reservoir.
- 11 Fill the reservoir again with water and reinstall the lid with neoprene inserts.
- 12 At this time test the pump with the sprayers in the manifold.

**NOTE:** you may need to adjust the sprayers slightly to ensure that every plant site gets sprayed well. Make sure not to over tighten.



## Important Pump Maintenance:

Your new system is equipped with a high quality submersible pump, however to insure pump longevity routine maintenance is required. Please refer to the information sheet within the pump box for maintenance procedures. This sheet also has warranty and contact information. Keep this information for the event it is needed in the future.

## Cloning Instructions

- 1 Take 2 - 4 inch long cuttings. Remove larger leaves, in order to reduce transpiration.
- 2 With a clean, sterile blade, re-cut the bottom of the cutting at a 45 -degree angle under water to prevent air embolisms.
- 3 Place a clone in each neoprene insert.
- 4 Place clone machine 1 - 2 feet below fluorescent lighting.
- 5 Fill the reservoir with purified water.
- 6 Add one ounce of Power Clone Solution per gallon of water, or substitute alternative Cloning Solution as recommended per label.
- 7 Add 2 - 5 ml of AquaShield per gallon of water.
- 8 Adjust pH level to 5.8 - 6.2
- 9 Maintain cloning solution temperature at 72 - 77 degrees Fahrenheit.
- 10 Run clone machine 24 hours a day.
- 11 Mist the leaves with water once or twice daily.
- 12 Clones will root in approximately 3 - 10 days.
- 13 When roots begin to emerge, add 15ml. of Power Flower™ or preferred bloom formula plant food per gallon of water to aid in root development.
- 14 Solution should not need to be changed before the cuttings root.

**REMEMBER:** Thoroughly disinfect the clone machine in between each use. Run a 1 - 10 part mild solution of Clorox or hydrogen peroxide through the pump and system. Then rinse completely with water and vinegar solution at the same ratio.

## Congratulations!

You have purchased the latest in hydrogardening products from Botanicare. We are proud to offer the highest quality components and plastics to ensure years of successful gardening in the most innovative system ever.

For product support, call your retailer or contact Botanicare, toll free, 1-877-753-0404. Check out our website at [www.botanicare.com](http://www.botanicare.com) for a complete list of outstanding products, including the latest in international systems, plastics and plant nutrients.

Consult you local dealer for pricing, or visit us on the web for more information at [www.botanicare.com](http://www.botanicare.com)

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