



QUICK START GUIDE



www.turboklone.com

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Thank You For Joining The TurboKlone Family!

TurboKlone aeroponic systems expedite the rooting process by growing healthier roots at 3x the normal rate!



**GROW
FASTER**

**GROW
SMARTER**

For more information such as set-up, cleaning process, nutrients and optimal cloning conditions please visit our website at:


www.turboklone.com


Setting-Up Your New TurboKlone®


1. Remove items from package.
2. If Humidity dome was purchased, peel plastic masking from both sides.
3. Rinse reservoir & lid thoroughly before use.
4. Hand tighten 3/4 inch riser at bottom of manifold onto the water pump.
5. Position pump at bottom of reservoir. Secure electrical cord into notch at upper lip of the reservoir sidewall.
6. Attach fan shroud to sidewall of reservoir using keyhole posts.
7. Fill reservoir with water to the water-fill line.
8. Place clone collars in lid. Place lid onto reservoir. Make sure lid rests securely in place.
9. Run pump & fan for 30 minutes to aerate water. Check and adjust ph level.
10. Dip cutting into rooting gel/hormone (optional).
11. Place cuttings in clone collar. The stem of the cutting should extend 1-2 inches below collar.




Operation Tips

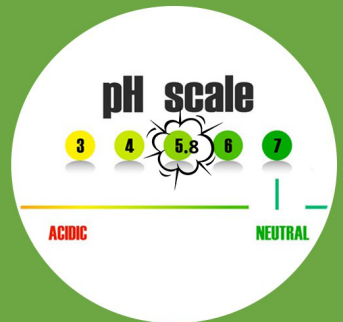
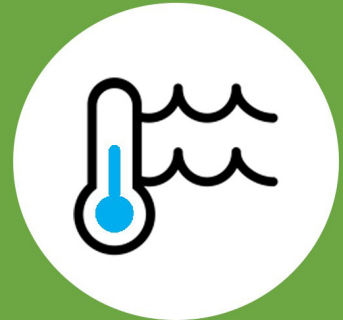
 When growing indoors, we suggest using T5 Fluorescent lighting. Lighting should be approximately 10 inches above cuttings. An 18 hour lighting pattern works for most plants.

 Ideal water temperature for most cuttings is between 70 - 72°F degrees. Remember to keep your room temperature around 70°F degrees, as this is the ideal temperature for your cutting to flourish.

 TurboKlone will produce optimal root health when the PH level in the reservoir is kept at 5.8 **before** starting your first cycle.

 The optimal humidity range is 60%. **For dryer climates**, add TurboKlone Humidity Dome to your system.

Clean/rinse the system
after each cycle.

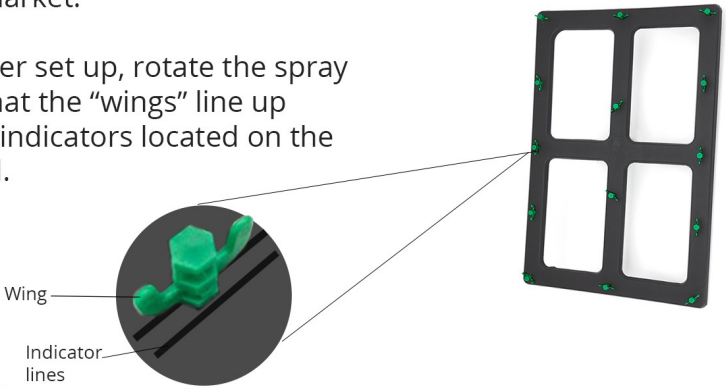


Spray Jets

Spray Jets T48/E96/E144

TurboKlone "Spray Jet" provides the best 360 - degree spray pattern of any hydroponic cloning system on the market.

For proper set up, rotate the spray jets so that the "wings" line up with the indicators located on the manifold.





Spray Jet T24



Rotate the spray jets on the T24 manifold so that the two center "wings" highlighted orange are straight. The corner jet "wings" highlighted blue should be turned to 45 degree angles. Use the picture for reference.

Submersible Pump

 **Control the output flow** of the pump by adjusting the flow regulator on the front of the pump.

 **If less flow is desired**, rotate the pump regulator (screen) counter-clockwise until desired flow is achieved.


WARNING:


ALWAYS SUBMERGE PUMP  PRIOR TO OPERATING

Do not allow pump to run dry. This **will** damage the pump.



Flow Regulator

 Air may be trapped in the pump when first plugged in. **In the instance where air may be trapped in the pump**, unplug the electrical cord, keep the pump submerged, and plug it back in until water begins to flow smoothly.

 Check for dirt or debris that could clog pump or misters.

Fan airflow example:



Maintenance



To clean the pump, separate the front cover from the pump and take out the impeller. To get rid of any debris, gently scrub with a soft bristle brush rinse under a stream of water.

WARNING: DO NOT REMOVE THE PUMP SHAFT

If the pump fails to function after cleaning, UNPLUG the pump and address the following procedure.

- I. Test the circuit breaker or try a different outlet and make sure the power is reaching the pump.
- II. Make sure the screen is free of any excess debris.
- III. Remove the front cover to make sure nothing is obstructing the impeller from rotating.

Frequent Maintenance Will Prolong The Life of Your System's Pump

CAUTION

TO REDUCE THE RISK OF ELECTRICAL SHOCK, CONNECT ONLY TO A PROPERLY GROUNDED OUTLET. DON'T REMOVE GROUNDING PIN FROM THE PLUG.

ALWAYS REMOVE THE PUMP FROM THE ELECTRICAL OUTLET BEFORE HANDLING.

WARNING: Ensure that the electrical cord loops below the electrical outlet to form a "drip loop." This will prevent water from running down the cord into the electrical outlet.

For a full tutorial on the best practices to cleaning your unit go to:

<https://www.turboklone.com/blogs/best-practices/cleaning-your-unit>



We would love to hear from you!

Now that you are a part of the TurboKlone family, we want to hear about your success in cloning! Send us your progress and we'll post it on our new Green Thumb Enthusiasts Page on our website!

Please send updates to sales@turboklone.com

Website:

www.turboklone.com

