

AgrowDose™ Dosing Pump



Operation & Installation Manual

IMPORTANT

For use in dry locations only; 0-80% RH non-condensing. Never apply power other than what is specified on the pump. Do not operate pump dry for extended periods; this will reduce tubing life and damage pump head over time.

Agrowtek's AgrowDose™ peristaltic dosing pumps meter precise volumetric doses according to the model's flow rate.

Agrowtek offers two pump models to accommodate growers with high and low flow applications. The pump flow rate must be set in the GrowControl system to match the model that the controller is operating.

Model: Flow Rate:

AD-50 ~50mL/min *standard pump*

AD-100 ~110mL/min *high speed pump*

Pump tubing type: Norprene® or Silicone

Warranty: Agrowtek Inc. warrants that all manufactured products are, to the best of its knowledge, free of defective material and workmanship and warrants the components (not including pump head tubing) for **1 year** from the date of purchase. This warranty is extended to the original purchaser from the date of receipt. This warranty does not cover damages from abuse, accidental breakage, or units that have been modified, altered, or installed in a manner other than that which is specified in the installation instructions. Agrowtek Inc. must be contacted prior to return shipment for a return authorization. No returns will be accepted without a return authorization. This warranty is applicable only to products that have been properly stored, installed, and maintained per the installation and operation manual and used for their intended purpose. This limited warranty does not cover products installed in or operated under unusual conditions or environments including, but not limited to, high humidity or high temperature conditions. The products which have been claimed and comply with the aforementioned restrictions shall be replaced or repaired at the sole discretion of the Agrowtek Inc. at no charge. This warranty is provided in lieu of all other warranty provisions, express or implied. It is including but not limited to any implied warranty of fitness or merchantability for a particular purpose and is limited to the Warranty Period. In no event or circumstance shall Agrowtek Inc. be liable to any third party or the claimant for damages in excess of the price paid for the product, or for any loss of use, inconvenience, commercial loss, loss of time, lost profits or savings or any other incidental, consequential or special damages arising out of the use of, or inability to use, the product. This disclaimer is made to the fullest extent allowed by law or regulation and is specifically made to specify that the liability of Agrowtek Inc. under this limited warranty, or any claimed extension thereof, shall be to replace or repair the Product or refund the price paid for the Product.

Installation Instructions

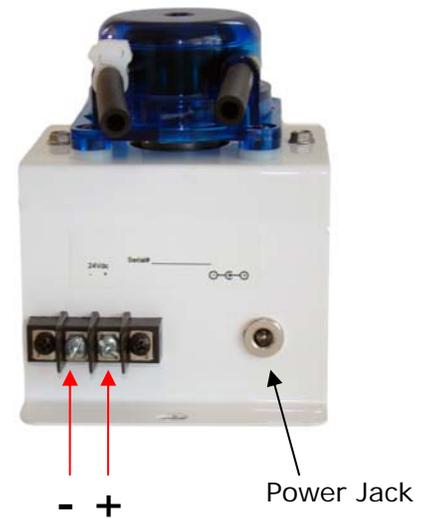
1. Mount the pump in a location near the nutrient stock tank. Install on a vertical wall in the direction shown.
2. Connect standard ¼" plastic tubing to the "IN" side of the pump and place the other end into the nutrient stock tank. If desired, fit a filter to the end of the tube.
3. Connect ¼" tubing to the "OUT" side of the pump and place the other end into the water reservoir tank.
4. If equipped with wiring terminals, wire to the desired controller output. If equipped with a DC power jack and wall transformer, plug the power cord into the power jack.
5. Prime the pump by turning it on until fluid flows out of the output end.

UP



IMPORTANT

Connect according do labels on pump.
Use only the power adapter supplied by Agrowtek.



Changing the Pump Head

AgrowDose™ pumps are serviced by replacing the pump head when the tubing wears out. To replace a pump head, simply:

1. Disconnect all tubing and disable the pump.

2. Rotate the pump approx. 30° counter-clock wise until it stops.

3. Pull the pump head straight off of the motor shaft. Installation is reverse of removal.

