

AgrowDose™ peristaltic dosing pump series delivers accurately metered flow of liquids for automated nutrient and pH balancing control in nutrient reservoirs.



Available in single, dual and quad pump configurations, each pump operates independently. Single pumps are operated when their power supply is turned on, dual and quad pumps feature built-in relays which can be connected directly to a controller for pump operation saving cost by not requiring separate Agrowtek relays to operate the pumps.

PUMP RATINGS: INPUT VOLTS: 12-24 VDC CURRENT: ~400mA
RELAY COIL INPUT: VOLTS: 24VDC POWER: 0.5 WATT EACH

PUMP TUBING: NORPRENE® 3/16" ID
MAX OUTLET PRESSURE: 30PSI
FLOW RATE: ~50ml/min

KEEP THESE INSTRUCTIONS

INSTRUCTIONS:

AD1-50 Single Pump

1. Mount the pump on a wall or similar surface.
2. Install tubing on the inlet side of the pump which reaches into a concentrated tank or bottle of solution to be injected.
3. Install tubing on the outlet side of the pump feeding into the reservoir or manifold to be controlled.
4. Prime the pump by plugging the power supply into the pump and a powered outlet.
5. Plug the pump into a controlled outlet programmed to operate the pump.

AD2-50 Dual Pump & AD4-50 Quad Pump

1. Mount the pump on a wall or similar surface.
2. Install tubing on the inlet side of the pumps which reach into concentrated tanks or bottles of solutions to be injected.
3. Install tubing on the outlet side of the pump feeding into the reservoir or manifold to be controlled.
4. Plug the power supply into the pump and a powered outlet.
5. Connect the "V-" terminal to a DC ground terminal in the controller's output terminal blocks.
6. Connect the terminals #1-4 (#1-2 on dual pump) to desired outputs on the controller.
7. Test the function of each pump by operating the output. Operate only one pump at a time. Multiple pumps operating simultaneously may overload the power supply.

CHECK TUBING MATERIALS FOR CHEMICAL COMPATIBILITY



Relay coil terminal block may be removed for easy wiring.