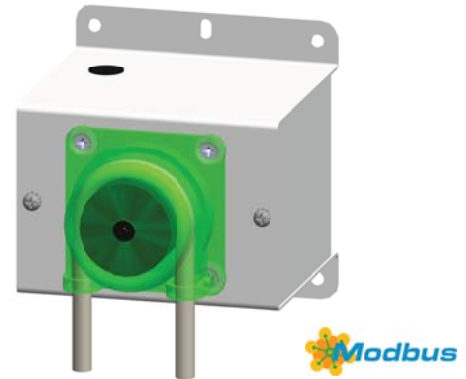


AgrowDose AD1i single dosing pump for injecting nutrient solutions, pH buffers, chlorine, chemicals, food and beverage mixing, and more. Pump precise volumes of liquids at variable flow rates into reservoirs or pressurized lines (up to 25psi) with reliable peristaltic action. Fluid stays in the pump tubing and does not contact any other parts in the pump.

AgrowDose™ pumps connect instantly to Agrowtek's intelligent Grow-Control™ cultivation controllers through the GrowNET™ port for advanced automated dosing functions, or can connect to a mini doser controller for basic dosing applications.

Pumps can draw solutions up to 100ft with a 10ft vertical lift and do not require priming. Peristaltic action resists fouling or clogging even with thick fluids. Durable pumps reliably deliver accurate doses. Economical quick change roller head can be serviced by rotating 1/8 turn and pulling off of motor shaft; replace just the tubing, or the entire head. FDA Compliant tubing and food grade lubricant.



Features



Single dosing pump



Precision dosing accuracy < 3mL
Variable speed, reversable



24V DC input power
120V Wall adapter included



Easy-change pump heads
Twist & replace; no tools required



GrowNET™ Digital Communication Port



MODBUS RTU for industrial PLC control
Independent variable speeds, reversable



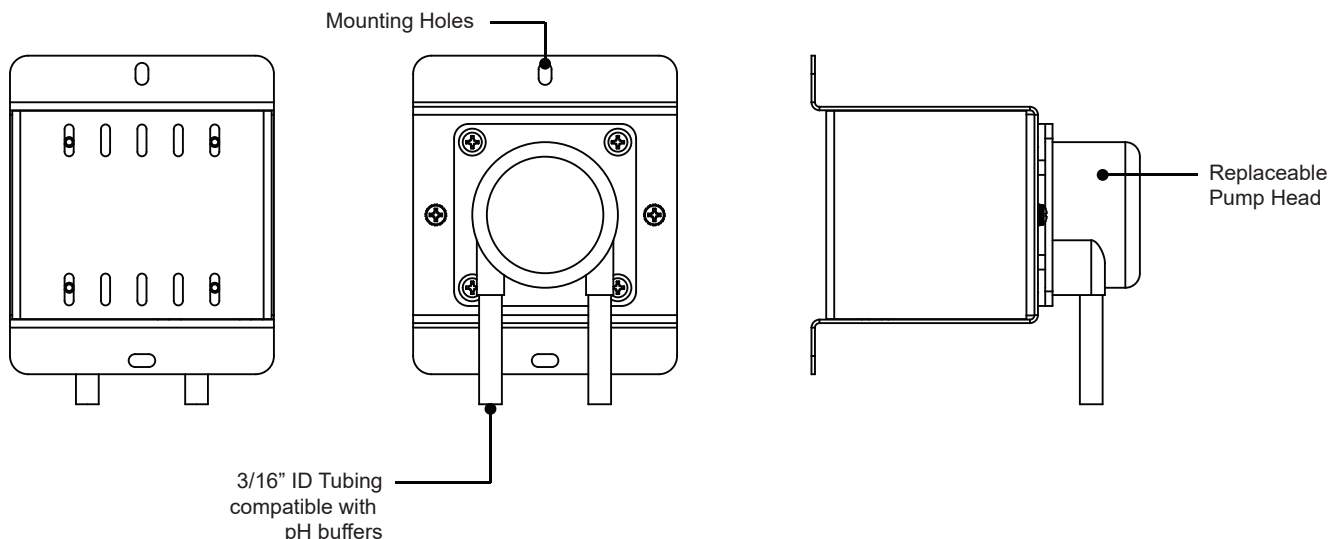
Durable powder-coated steel enclosure



Made in USA



1-Year Warranty



AD1i

AgrowDOSE™ Peristaltic Pump

Typical Application

ADi dosing pumps are typically installed with the outlet lines either fed into a PBX series dosing manifold in a recirculating pump line (after a sensor manifold,) or fed directly into the top of reservoir tanks.



GrowControl™ GCX Controller



Connect to GrowControl™ Cultivation Controllers for advanced functions as part of a complete facility control solution. GrowControl™ GCX systems feature intelligent control functions optimized for today's complex growing environments including dosing recipe management and scheduling.

MINI DOSER



Combine a SXH hydro controller and AgrowDose™ ADi pump to form a powerful automatic dosing system for nutrients, pH and O.R.P. Available as a kit with pump, controller and probes, or with pre-assembled stainless steel back panel and PVC manifolds. Connect to a GCX controller for additional dosing and monitoring capability.

MODBUS



GrowNET™ devices are easy to implement on PLC systems with MODBUS RTU and a LX2 ModLINK interface. Multiple GrowNET™ devices can be connected to an interface with HX8 GrowNET™ hubs.

Ordering Options

AD1i - 500

500: 480mL/min max flow rate (standard)
Alternate speeds available special order.

Optional Accessories



LX1
USB
AgrowLINK™



LX2
RS-485
ModLINK™



HX8
GrowNET™
Device Hub



PBX
PBX Series
Injection Manifolds