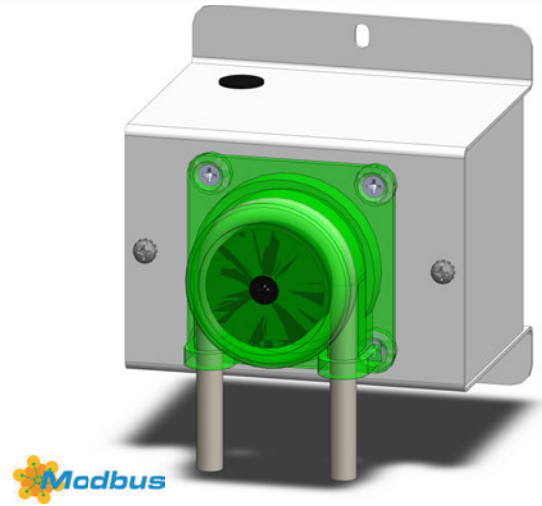












AgrowDose AD1 “single” peristaltic dosing pump for injecting nutrient solutions, pH buffers, chlorine, chemicals, food and beverage mixing, and more. Pump precise volumes of liquids at variable flow rates into reservoirs or pressurized lines (up to 25psi.)

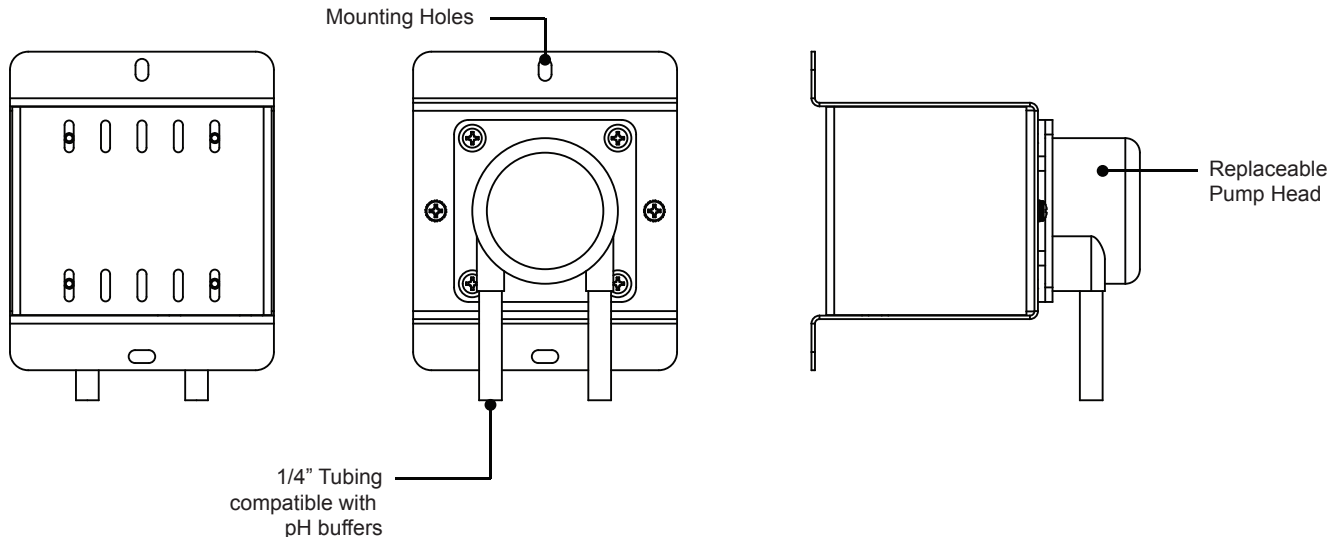
AgrowDose pumps connect instantly to Agrowtek’s intelligent SXH and PHX dosing controllers through the GrowNET™ port for advanced automated dosing functions. Use stand-alone with the LX1 USB AgrowLINK for PC batch dosing, or the LX2 ModLINK for MODBUS.

Pumps can draw solutions up to 10ft vertical lift and do not require priming. Peristaltic action resists fouling or clogging even with thick fluids.



Features

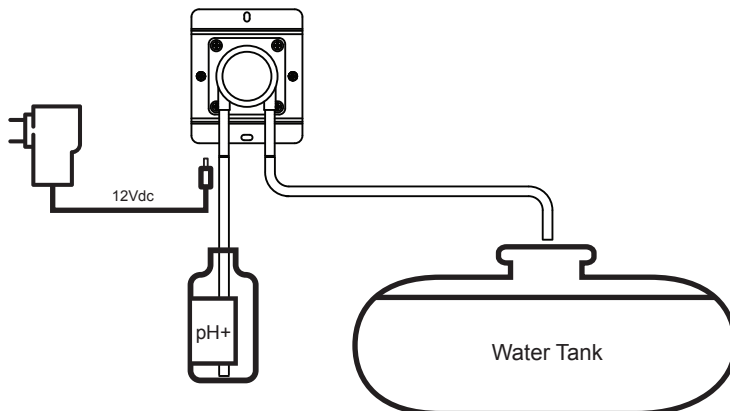
-  Single dosing pump
-  Precision dosing accuracy < 1mL
Variable speed, reversable
-  12V DC input power
120V Wall adapter included
-  Easy-change pump heads
Twist & replace; no tools required
-  1-Year Warranty
-  WiFi optional
-  GrowNET™ Digital Communication Port
-  MODBUS RTU for industrial PLC control
Independent variable speeds, reversable
-  Durable powder-coated steel enclosure
-  Made in USA



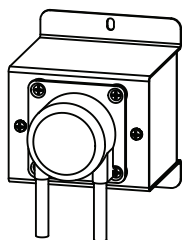
AGROWDOSE AD 1 i

SINGLE PERISTALTIC DOSING PUMP

Installation Example



Stand Alone



LX1
USB/PC

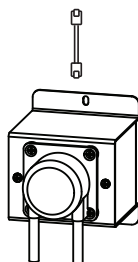
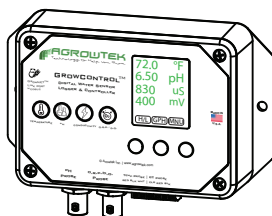


LX2
MODBUS



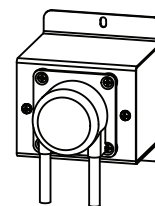
Connect intelligent dosing pumps directly to a computer using the LX1 USB LINK and free PC software for batch-dosing and manual control from a computer. Connect to industrial controllers using LX2 ModLINK for standard MODBUS protocol. HX8 GrowNET™ hubs allow multiple devices to be addressed on an LX interface.

Dosing System



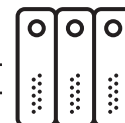
Combine a SXH or PHX controller and AgrowDose pump to form a powerful automatic nutrient and pH dosing system. Configure basic and dosing functions on the sensor screen to operate a dosing pumps without a controller. Log data to the internal memory or web portal, send email alerts and more.

Industrial PLC



RJ-45
Cat5

PLC



LX2 ModLINK
RS-422/485

Agrowtek's digital variable speed peristaltic pumps are convenient and easy to implement on PLC systems with MODBUS RTU for advanced addressable communication. Use HX8 GrowNET™ hubs to network multiple devices to a PLC.

Ordering Options

AD1 - 50

50: 50mL/min max flow rate
200: 200mL/min max flow rate

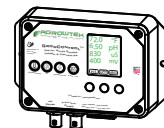
Optional Accessories



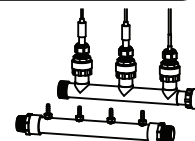
LX1
USB
AgrowLINK™



LX2
RS-422/485
ModLINK™



SXH
Hydroponic Sensor
& Pump Controller



PBX
Manifolds