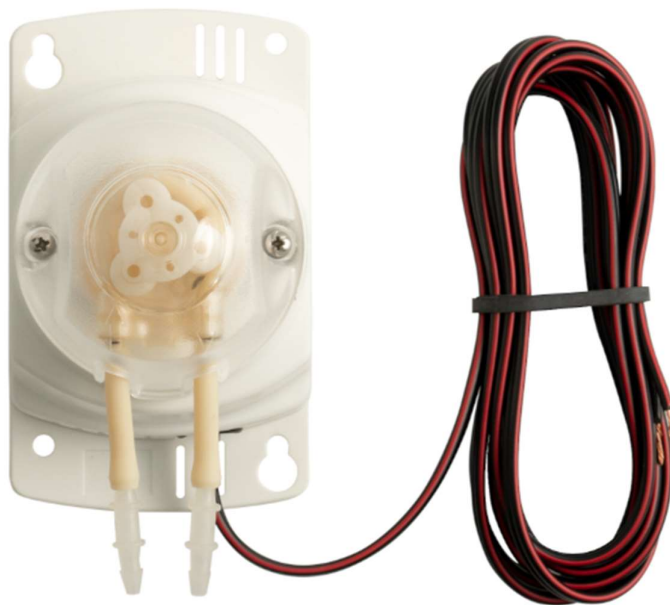


Peristaltic Pump 120mL

SKU	430055	Peristaltic Pump 120mL
Launch Date	1 st July 2022	
Sales Channel	All	
Link to info & supporting files	https://autogrow.com/products/peristaltic-pump-single	
Launch Type	Minor	



Positioning Statement

Dose accurately to control pH or nutrient levels with confidence. 120mL/min is suitable for a wide range of reservoirs.

Peristaltic Pump 120mL

Product Description (Long)

The Autogrow Peristaltic Pump 120mL provides high accuracy dosing for hydroponic growers. Capable of delivering 120 mL/minute the Autogrow Peristaltic Pump 120mL is suitable for a wide range of reservoirs.

Fitted with PharMed™ BPT tubing the pump provides long life dosing for higher concentration chemicals and nutrients.

Peristaltic pumps are the ideal solution for hydroponic nutrient delivery solving many of the challenges encountered with corrosive and viscous fluids. A peristaltic pump can be run dry, will self-prime and can run in constant operation when required.

The Autogrow pump range can be used in conjunction with an Autogrow IntelliDose, pH Mini, EC Mini or MultiGrow to automate the mixing and blending of nutrients and chemicals in your Hydroponic, Aquaponic or water treatment facility.

Key Benefits

Eliminate hand measuring and minimize wasted nutrient

Automate the control of the Autogrow Peristaltic Pump 120mL to reliably management the dosing of nutrients.

Suitable for growers

Corrosion resistant plastic – Enables the pump to be used with high concentration acids and alkalis* along with other chemicals that quickly erode general purpose plastic.

Long lasting pharmaceutical grade tubing

PharMed™ BPT tubing is compatible with almost all pH adjusters and hydroponic nutrients, lasting up to 30 times longer than silicone tubing.

Long run time

Fan cooled motor allows for long run times delivering the quantity required for larger reservoirs.

Small installation footprint

The ultra-compact pump is perfect for space-saving environments

Replaceable cassette and tubing

User serviceable replacement components make it easy to perform preventative maintenance on your pump.

Peristaltic Pump

Provide the best dosing accuracy using a self-priming suction method with a long service life.

* Refer to specification table for recommended maximum Acid and Alkali concentrations.

Peristaltic Pump 120mL

Product Details

Specification	430055 – Peristaltic Pump 120mL
Flow Rate (Max.) ¹	120 mL/min
Discharge pressure (Max.)	90 KPa
Operation temperature	0 to 50 °C (no condensation, no freezing)
Operation humidity ²	20% to 85%
Fluid temperature	5 to 50 °C (41 to 122 °F)
Input Voltage	24 VDC
Power consumption ³	5 W (Peak in-rush current 600 mA) ²
Operation noise ³	≈ 52 dB
Motor endurance ⁴	> 1500 hours
Tube	
Tube diameter (inner)	3 mm (1/8")
Tube diameter (outer)	5 mm (13/64")
Tube Material ⁴	PharMed™ BPT, USP Class VI
Tube endurance ³	> 750 hours
Material (Cassette, Rotor)	PSU (Polysulfone)
Material (Base)	ABS (Acrylonitrile Butadiene Styrene)
Rollers	POM (Polyoxymethylene)
Compliance ⁶	CE, FCC, RoHS
Dimensions	113 h x 68 w x 115 d mm (4.45 x 2.7 x 4.53 ")

Notes:

Product specifications and appearance are subject to change without notice.

¹ To determine the flow rate, the pump was installed at a height of 1.5 m, a hose having the same inside diameter as the pump tube was used, and the flow rate of distilled water was measured with a flow meter. The flow rate has a tendency to increase until the tube becomes acclimated and different media may have different flow rates.

² This product is not waterproof. If using in water-filled environments, design to protect against water.

³ When rotation begins, an inrush current of approximately 3 times operating current is drawn.

⁴ When selecting a tube, the customer should perform a verification test to verify the chemical suitability according to the usage environment and the intended application.

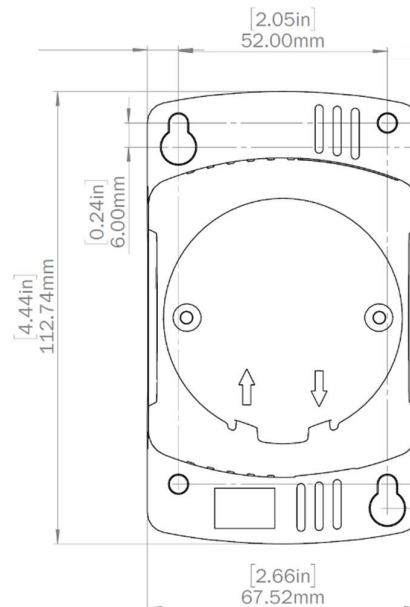
⁶ This product was not designed for medical use. Do not use for medical applications.

pH adjuster Compatibility⁷

Chemical	PharMed BPT
Nitric Acid	<35%
Phosphoric Acid	<85%
Sulfuric Acid	<30%
Citric Acid	<20%
Potassium Hydroxide	Concentrated
Potassium Carbonate	Concentrated

⁷ The chemical concentrations stated in this above table are just a guide. Variations in temperature, pressure, or UV exposure may cause tubing failure which could lead to serious injury if proper safety precautions are not followed. For this reason it is recommended that the tubing be tested by the user with the desired chemical in the specific application to determine ultimate suitability before using them. No warranty (neither express or implied) is given that the information in these tables is accurate or complete or that any material is suitable for any purpose.

Mounting dimensions

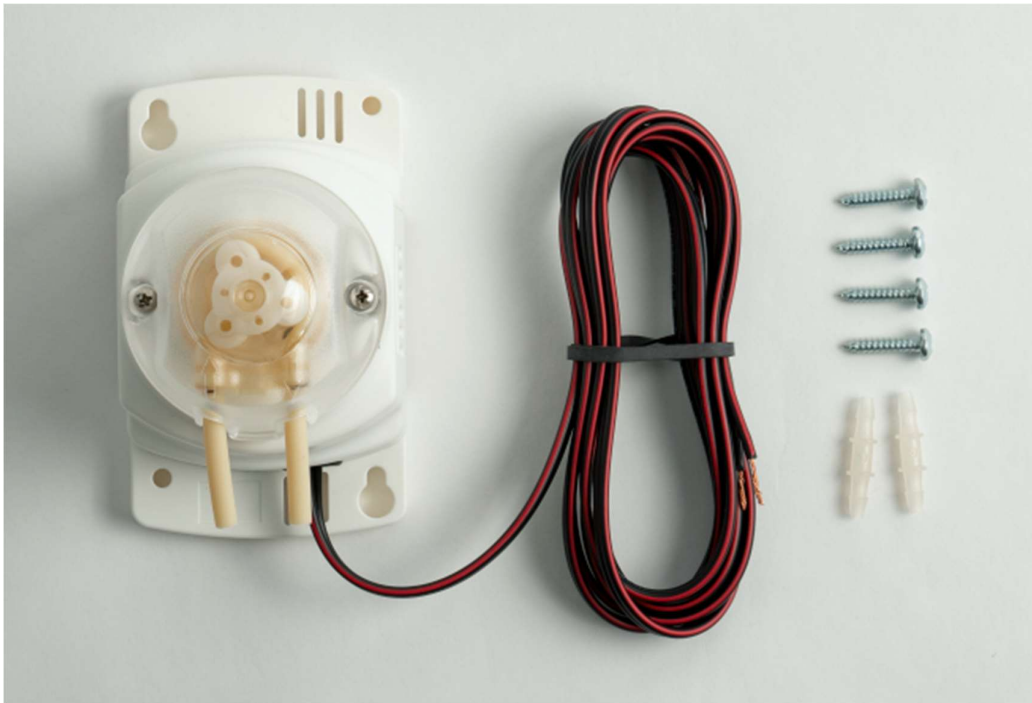


Peristaltic Pump 120mL

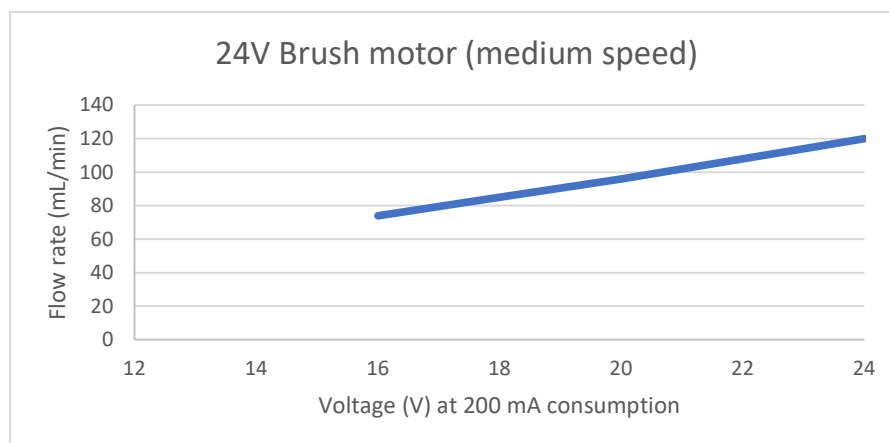
What's included

The kit includes

- Peristaltic Pump 120 mL/min with 2.0 m (6.5') of 24 VDC cable
- 4x mounting screws
- 2x 1/8" Barb straight through joiners



Performance Specifications



Peristaltic Pump 120mL

Product Features

- Peristaltic pump delivers accurate and consistent dosing of nutrient and pH into reservoirs
- 120 mL/min pump flow rate
- PharMed™ BPT tubing provides excellent acid/alkali resistance.
- 24 VDC, 200 mA (5W)
- 1/8" Barb connection included
- Complaint to FCC / CE and RoHS
- Doser can be positioned lower than the injection point
- Quiet and fan-cooled for longer life operation
- Can self-prime / draw media in
- Easy mounting and installation
- Assembled in New Zealand

Permanent and hook-on mounting options.

ABS plastic housing for long pump life

PharMed BPT tubing provides up to 30x longer life over standard silicone

1/8" barb included



Easy install using the colour coded positive and negative wiring

Inbuilt fan allows for long dosing times

Peristaltic Pump 120mL

Packaging and Merchandising

The Peristaltic Pump 120mL will be packed in a single plastic bag with serial identifier on the outside. No other product identifiers will be on the outside of the packaging.



Product Warranty

2-YEAR*

*2-YEAR - LIMITED WARRANTY

Autogrow Peristaltic Pump 120mL comes with a 2-year limited written warranty. Some individual components are subject to different warranty terms. For full details of the applicable warranties and terms and conditions visit bluelab.com/product-warranty. Proof of purchase is required.

Spare Parts

	430055 – Peristaltic Pump 120mL	Component Warranty
Pump & cassette	PUMPCONT-M	2-Year*
Cassette	PUMPCASS-SM	6-Month**
Nutrient Tubing (Black), 4m long, includes barbs	TUBENUT-SM	6-Month**
Acid Tubing (White) 4m long, includes barbs	TUBEACID-SM	6-Month**
1/8" Barb straight-through joiner	600711	6-Month**

*2-YEAR - LIMITED WARRANTY

Comes with a 2-year limited warranty (6-month warranty for cassette component). Proof of purchase required. For full terms and conditions visit bluelab.com/product-warranty.

**6-MONTH - LIMITED WARRANTY

Comes with a 6-month limited warranty. Proof of purchase required. For full terms and conditions visit bluelab.com/product-warranty

Peristaltic Pump 120mL

More Information

This pump is replacing the Autogrow Mini Peristaltic Pump 350 mL/min.

IntelliDose, pH Mini and EC Mini kits will include this improved 120 mL/min pump