

1.3 pH adjuster compatibility for tubing³

	Peristaltic tubing (PharMed BPT)	pH Tubing (PTFE)	Nutrient tubing (LDPE)
Nitric Acid	<35%	Concentrated	<10%
Phosphoric Acid	<85%	Concentrated	<40%
Sulfuric Acid	<30%	Concentrated	<50%
Citric Acid	<20%	Concentrated	<10%
Potassium Hydroxide	Concentrated	Concentrated	Concentrated
Potassium Carbonate	Concentrated	Concentrated	Concentrated
Potassium Silicate	Unknown	Concentrated	Concentrated

³ The chemical concentrations stated in the 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.



guarantee.

The Bluelab® Peripod™ Replacement Peristaltic Pump comes with a 6 month limited written guarantee. Proof of purchase required.



connect.

If you need assistance or technical advice - we're here to help you.

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location.

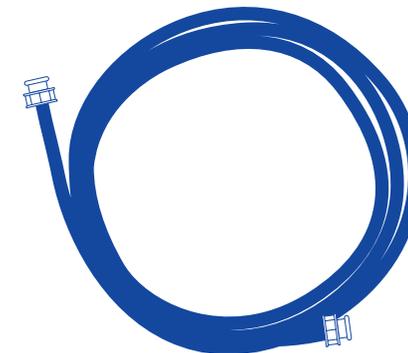
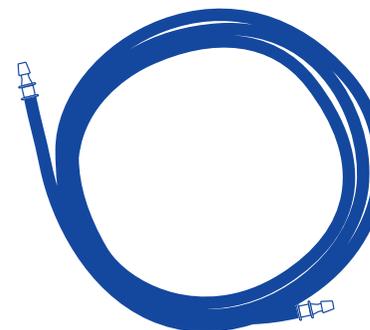
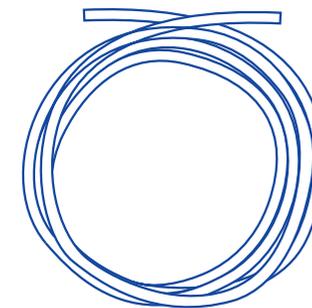
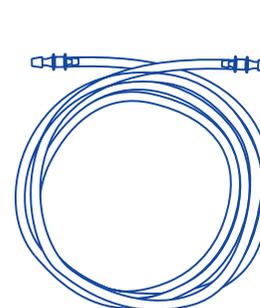
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Instruction Manual English PERITUBE_V02_110221
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Bluelab
peripod

Changing the Dosing
Tubes.



Replacement Tubing for
Bluelab® Peripod M

Replacement Tubing for
Bluelab® Peripod L

CE FC



1.1 Overview

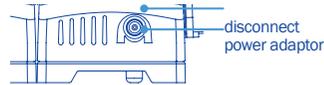
- Peristaltic pump tubing has a finite life and should be replaced periodically to maintain stable performance.
- Flush pumps and tubing with water when product is going to be unused for more than one month.
- After storage for long periods, initial set up procedures should be carried out when re-installed.
- If you notice any sudden or significant changes in flow rate, see the troubleshooting guide in section 5.3 of the Bluelab® Peripod™ Manual, and check for signs of damage or wear.
- Bluelab does not recommend the use of highly concentrated acid or alkaline with this product as it is likely to damage the pump tubing. See 1.3 for maximum recommended concentration of commonly used acid and alkaline for tubing³.

WARNING

Always flush tubing and pumps with clean water BEFORE performing any maintenance on pumps or tubing. This ensures that all dangerous chemicals are flushed out of the tubing and pump, reducing accidental harm or injury.

1.2 Changing the dosing tubes

Disconnect power from Bluelab® Peripod™ before changing the dosing tubes.

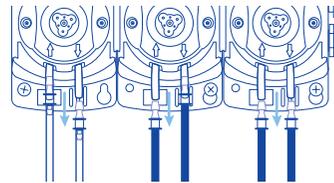


- Remove the inlet and outlet dosing tubes from the peristaltic pumps.

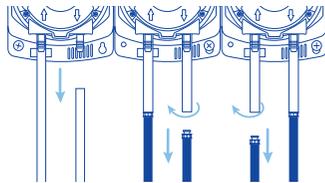
M Versions: Carefully pull the tube connector out of the peristaltic tubing.

L Versions: Carefully pull the pH tubes off the bars and un-twist the nutrient connectors.

Discard the tubes you have removed.



M Version
Remove the dosing tubes



L Version
Remove the dosing tubes

- Straighten the dosing tubes before connecting.** Bend tube in the opposite direction and straighten by running through closed fingers.

Each 4 metre / 13 foot length of tube is to be used as inlet and outlet dosing tubes with connectors. Before cutting, ensure there is enough length for each. Cut the tubing on a 45° angle. This is important to avoid suction in the adjuster and nutrient solution bottles.

CAUTION

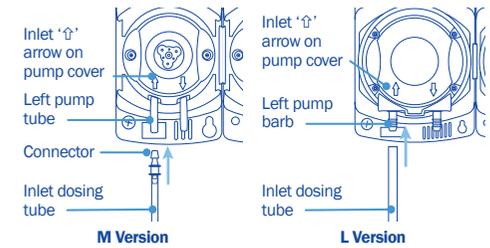
- Ensure you use the pH dosing tube with the pH adjuster solution. Using the dark nutrient dosing tube with pH adjuster solution could damage the tube.

1.2 Changing the dosing tubes continued

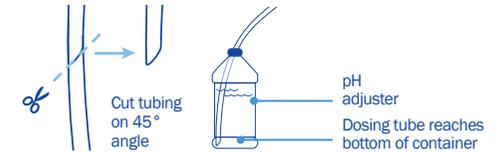
- Set up the inlet dosing tube.

M Version: Insert the pH dosing tube connector into the LEFT pH pump tube.

L Version: Push one end of the pH dosing tube over the LEFT pH pump barb.



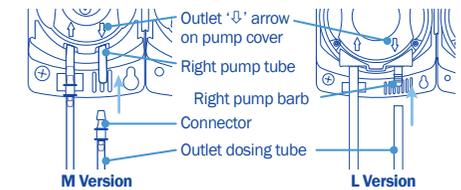
- Ensure the inlet dosing tube will reach the bottom of the pH adjuster container. Cut the inlet dosing tube to desired length.



- Set up the outlet dosing tube.

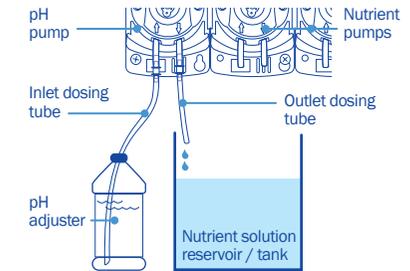
M Version: use the remaining dosing tube with the connector, and insert the connector into the RIGHT pH pump tube.

L Version: Use the remaining dosing tube and push it onto the RIGHT pH pump barb.

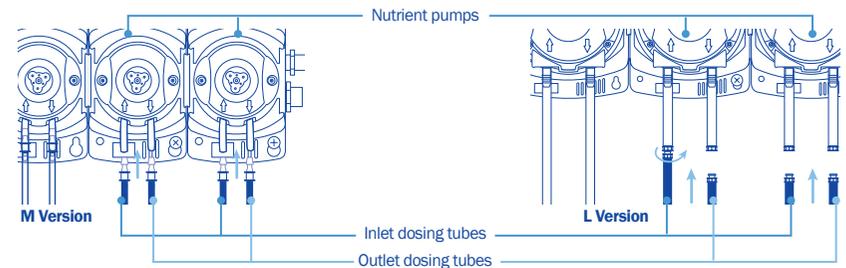


- Cut the outlet dosing tube so that the tube sits above the maximum solution level of the reservoir. The pH adjuster and nutrient solutions must drip into the nutrient reservoir.

Note: If the outlet dosing tubes are immersed in the reservoir it could create a siphon. This could possibly cause the solutions to flow into the reservoir or vice versa.



- To set up nutrient tubing and pumps, repeat steps 1-4 using the darker nutrient solution tubing. **For the L Version:** Insert and twist each connector of the nutrient dosing tube into each nutrient pump tube connector.



Note: If pH adjuster or nutrient stock solution being used has solid particles suspended in it, then a sieve filter should be placed on the end of the tube to prevent tube blockages and potential damage to the peristaltic pumps.

A suitable sieve filter should suit tubing with 3mm or 1/8in ID for the M version, 8mm or 1/3in ID for the L version. The filter should be made from a material that is compatible with the pH adjuster or nutrient stock solution being used.