

AMBIC[®]

Extra High Volume 230V AC Peristaltic Pump



OPERATING INSTRUCTIONS

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Introduction

The Extra High Volume Peristaltic Pump is supplied as a stand-alone pump. Final delivery is dependent upon the tube size; two tubes sizes (9.6 and 12.7mm Bore Santoprene) are available.

This pump is ideal for intermittent use

Safety



CAUTION: Wear protective clothing and eyewear when dispensing chemicals or any other materials. Observe safety handling instructions (MSDS) of chemical manufacturers.



CAUTION: To avoid severe or fatal shock, always disconnect power when servicing the unit.

Specifications

Pump delivery – These are **nominal** figures using Water at room temperature with a one metre suction and delivery tube:

Pump Voltage	Pump Speed	Tube Bore	Delivery Rate (per minute)	Current drawn
230V	166rpm	9.6mm	3.0 litres	1.6 A
230V	166rpm	12.7mm	6.0 litres	1.6 A

Installation

Pump

The pump will turn clockwise during operation. Liquid intake is on the left hand spigot and delivery is on the right hand spigot. Ensure that the correct tube sizes are used. Use of a non-return foot valve on the inlet tube is highly recommended.

Secure the suction and feed tube with Jubilee clips.

Mounting

The pump is designed to be fitted to a suitable plastic or metal enclosure with the correct cut out. These pumps are supplied with stainless steel mounting plate and rubber gasket. Consideration must be given to supporting the motor due to weight of the pump – please be aware that the pump is heavy (5.5 Kg).

Power

230V AC with a running current of 1.6 Amps. All wires must be tied to a solid surface. This motor **MUST** be earthed.

Operation

The pump will run in response to application of a 230V AC supply and will stop on removal of the supply. There are no other controls.

Note: This pump is designed to run intermittently and must not be run continually.

Maintenance

The pump is self-priming and will give long, trouble free, efficient operation. It is recommended that the peristaltic tube is periodically lubricated with silicone grease or replaced as necessary.

The information in this leaflet is for general information and guidance only. Ambic Equipment Ltd does not provide any warranty on the application of Pumps or Pump Assemblies. It is recommended that customers carry out life tests for their particular application to determine suitability prior to use. The information provided is given in good faith and believed to be current and correct at the time of publication. Ambic Equipment Ltd cannot accept responsibility for any errors or omissions contained in this document.

Troubleshooting

Fault	Cause	Remedy
Pump does not work	<p>Pump is not connected to the supply.</p> <p>The supply is Switched OFF.</p> <p>Pump is drawing current but not running.</p>	<p>Check that pump is connected to supply voltage.</p> <p>Switch the supply ON.</p> <p>Check the power supply is capable of supplying the required current.</p>
No pump output delivery	<p>Pump is not running.</p> <p>Spinner assembly is running anticlockwise.</p> <p>Inlet tube is not connected to the left-hand spigot.</p> <p>Suction tube assembly is not properly inserted into chemical drum – use a suitable Non return valve.</p> <p>Stiffener not fitted to the suction tube.</p> <p>Kinks in the suction and/or delivery tube.</p>	<p>Connect the power to the pump.</p> <p>Reverse the supply connections.</p> <p>Connect the inlet (suction) tube to the left-hand spigot.</p> <p>Insert the suction tube into the drum.</p> <p>Fit a stiffener tube; this will help with keeping the suction tube to the bottom of the drum.</p> <p>Remove the kink and make sure it does not happen in the same place again.</p>
Pump does not lift the liquid	Peristaltic tube needs replacing.	Replace with tubing of the correct material, size bore and shore hardness as supplied through the manufacturer or their recognised agent; use appropriate spigots.
Chemical seems to be lift and then dropping back.	<p>Peristaltic tube needs replacing.</p> <p>Air getting inside the tube.</p>	<p>Replace with tubing of the correct material, size bore and shore hardness as supplied through the manufacturer or their recognised agent; use appropriate spigots.</p> <p>Check if the suction and delivery tubes are fitted tightly onto the spigot and that a jubilee clip has been fitted.</p>

Ambic Equipment Ltd – Extra High Volume Peristaltic Pump (230V AC) Operating Notes

Parts Listing

The following spare parts are available to order separately:

<p>AHP/100-SA-12 AHP/100-SA-12-1/2 12.7mm Bore Tube</p>	<p>AHP/100-SA-09 AHP/100-SA-09-1/2 9.6mm Bore Tube</p>
 <p>Available with 5/8" or 1/2" Spigots</p>	 <p>Available with 5/8" or 1/2" spigots</p>
<p>AHP/103 Pump Block and Cover</p>	<p>AHP/102-FP Roller Assembly</p>
	
<p>ALP/115 Silicone Grease</p>	<p>EHV/M-100-230 Extra High Volume Motor Assembly</p>
	



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