

# AQUARIUS

## Variable Speed Peristaltic Dosing Pumps

Variable Speed  
Peristaltic Dosing Pumps  
for the dosage of liquid  
Water Treatment Chemicals  
- rated to 250 kPa.



- √ Self Priming
- √ Flexible Pump Rates
- √ Suits a wide range of chemical types
- √ - H<sub>2</sub>O<sub>2</sub>, Sodium Hypochlorite, Polymers
- √ Available for 240 Vac applications
- √ Available in 24 Vdc applications

### Model - MPPUMP



### ADVANCED TECHNOLOGY FOR THE NEW MILLENIUM

# Variable Speed Peristaltic Dosing Pumps

## Models available:

### 1. Models - MPPUMP

The MPPUMP is powered from 240Vac Mains Power and has a graduated speed control dial which controls motor speed from 100RPM to nearly stopped.

### 2. Model - MPPUMPBAT

The MPPUMPBAT is powered from 24Volts DC Battery power and has the same graduated speed control dial as the MPPUMP. It is very useful in remote applications where Mains 240Vac is not present.

## Specifications:

Maximum Motor Speed: 100 RPM

Input Voltage Requirements:

MPPUMP 240Vac @ 0.5Amps  
MPPUMPBAT - 24Vdc @0.8Amps(max speed)  
Gear Motor: DC brush motor, approx 2000 hours life

Squeeze Tube: Tygon Special (standard)  
Norprene (optional)

Roller Block: 2 Lobe Roller (standard compatible with solvents)  
3 Lobe Roller (optional for use with Norprene tube)

Nominal Flow Rate: 280 mls / minute at max speed  
17.0 l/hr. at maximum speed

Enclosure: ABS weather resistant enclosure  
Dimensions: 190mm x 190mm x 130mm  
Shipping Weight: 4 kgs

## Installation:

Use the small screws supplied with mounting plate to fasten it to the designated spot on the back of the MP unit.

Fasten two screws (not supplied) into a suitable point on the wall that is to support the unit. Do this in a manner that allows the keyhole slots in the mounting plate to slide over the screws and therefore hold the unit in position.

Cut the desired lengths of PVC delivery tube to allow for pick up ( or suction) and discharge lengths from the 5 metres supplied. Then place the ceramic drum weight over the end that is to be drawing the product from your supply vessel, push the barbed end of the retainer into the end of the tube ( this will hold the weight on and acts as a sinker in the chemical drum).

Next use the double ended barbed connectors to attached the PVC supply tube to the Yellow Tygon or black Norprene squeeze tube, on the outlet side use the two "Snapper" hose clamps to fasten the tubes onto the barbs tightly.

## Setting Up the Pump:

To set up the unit, connect it to either a 240Vac power source for the **MPPUMP** or to a 24Vdc source (two truck batteries in series) for the **MPPUMPBAT**. Note that the MPPUMPBAT is not voltage polarity sensitive.

Turn the numerated dial on the front of the unit housing until the pump reaches the required speed and allow the pump to prime and expel air from the tubing.

The maximum flow rate of your pump can be varied by the type of squeeze tube used and the number of rollers used, however Tygon solvent resistant tubing will give best service with solvent based chemicals.

# Variable Speed Peristaltic Dosing Pumps

## MANUFACTURER'S PRODUCT WARRANTY

**AQUARIUS TECHNOLOGIES PTY. LTD.** manufactures a range of equipment under a Quality Assurance system to ISO9001:1994 standards and warrants equipment of its manufacture to be free of defects in material or workmanship.

Liability under this policy extends for 12 months from the date of installation, or 24 months from the date of shipment from our factory, whichever ever occurs first. The manufacturer's liability is limited to repair or replacement of any failed equipment or part of, which is proven to be defective in material or workmanship upon the manufacturer's examination. This warranty does not include removal or installation costs and in no event shall the manufacturer's liability exceed its selling price of such equipment or part.

Aquarius Technologies Pty Ltd. disclaims all liability for damage to its products through improper installation, maintenance, use or attempts to operate such products beyond their functional capacity, intentionally or otherwise, or any unauthorised repair. Aquarius Technologies Pty Ltd. will not be responsible for any consequential or other damages, injuries, or expense incurred through use of its products.

This warranty is in lieu of any other warranty, either expressed or implied. Aquarius Technologies Pty Ltd. make no warranty of fitness or merchantability. No agent of ours is authorised to provide any warranty other than above.

This warranty does not exclude any condition or warranty implied by the Trade Practices Act 1974 or separate State Laws in Australia and is in addition to any other right that the original purchaser or any subsequent purchaser may have under Australian law.

Should a unit fail to function normally, please contact our Customer Service Department by phone or fax quoting, Model Number, and Serial Number, for initial discussion of the problems encountered, and if it is necessary to return the item to the factory, a Return Authorisation number will be given to facilitate return, and repair or replacement of the item.

The item for return should be carefully packaged to prevent any damage in transit, contain the Return Authorisation identification number, customer identification, and return delivery details, and the freight prepaid to our factory. If in the opinion of our factory, after examination, the failure was due to materials or workmanship, repair or replacement will be made with out charge for parts, labour and return freight. A reasonable service charge will be made for diagnosis and/or repairs due to normal wear, abuse, tampering or damage in transit.

**AQUARIUS TECHNOLOGIES PTY Ltd.** reserve the right to continue development and improvement of the entire range of our equipment, and therefore minor changes may occur due to these improvements and the continuing development.

