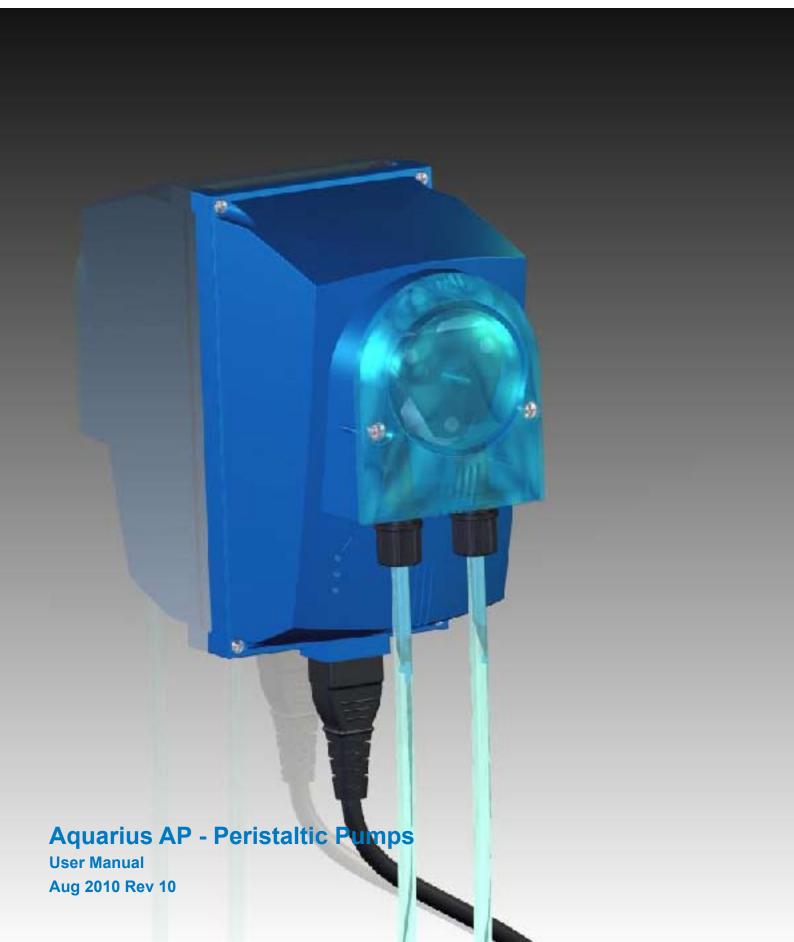


AQUARIUS TECHNOLOGIES PTY LTD

Peristaltic Dosage Pumps



Aquarius Technologies Pty Ltd

ON/OFF Control			
Model	AP_PERI1	AP_PERI3	
Output	1 LPH	3 LPH	
Rated Pressure	350 kPa.	350 kPa.	
Motor Size & Power	16 Watt at 220 - 240 VAC		
IP Rating	Weatherproof to IP56		
Motor Speed	10 RPM	30 RPM	
Squeeze Tube	NORPRENE		
Casing Materials	Glass Filled Polypropylene		
Tubing	6 x 4 mm PVC tubing		
Non-Return Valve	Viton sleeve on PVC		
Injection Valve	15 mm BSP male thread		
Roller Block	Tri-Roller polypropylene		
Power Lead	Plug-on appliance lead		
Wall Mounting	Snap On - Snap Off		
Specifications subject to change and development			

Variable Control			
Model	AP_PERI1_VAR	AP_PERI3_VAR	
Output (Duty Cycle)	10-100% based on 1 min		
Rated Pressure	350 kPa.	350 kPa.	
Motor Size & Power	16 Watt at 220 - 240 VAC		
IP Rating	Weatherproof to IP56		
Motor Speed	10 RPM	30 RPM	
Squeeze Tube	NORPRENE		
Casing Materials	Glass Filled Polypropylene		
Tubing	6 x 4 mm PVC tubing		
Non-Return Valve	Viton sleeve on PVC		
Injection Valve	15 mm BSP male thread		
Roller Block	Tri-Roller polypropylene		
Power Lead	Plug-on appliance lead		
Wall Mounting	Snap On - Snap Off		
Specifications subject to change and development			

These pumps are designed to meet "dosage on demand requirements" using APL logic & where the duty cycle is varied to the system demand.

Installation

The pump is intended for wall mounting using the bracket supplied which allows for snap on or snap off for ease of servicing. The bracket forms a simple template for drill holes position.



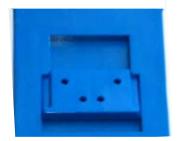
When wall mounted as indicated opposite the pump is weatherproof to IP56 standards. The applicance connection lead fitted with an Australian 3 pin plug allows for easy disconnection for servicing of the unit. The unit requires a 220 - 240 Vac 50 Hz power supply.

Tubing Connections

Items marked 5 and 6 on the oppposite page are the suction tubing and drum weight for the chemical tank and are fitted to the left side pump inlet. Push tubing full up unto spigot and screw the tube nuts firmly with the fingers, no spanners are required, nor should be used. The clear tubing allows for vision of pump suction and positive dosage. Items marked 1 and 2 on page opposite are the black pump discharge tubing and injection fitting. Fit as suction tube above but to the right side pump outlet. Fit Teflon tape to the 15 mm BSP threads and fit into the intended dosage line to the system.









Variable Dosage Option

It is easy to tune the dosing rate in our variable peristaltic pumps. Remove the nylon screw plug from the bottom of the pump. By using a fine screwdriver, insert it into the pot (as shown above). Turn clockwise to increase and anti-clockwise to decrease. Adjust till the required dosage rate is achieved. Our pump control allows for a variability of 10 - 100% of full dosage during a 1 min period.

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Number	Description	Aquarius Part Number
1	Discharge Line Injector and Non-Return Valve 15 mm BSP male	AP_INJECT
2	Discharge Tubing Black 6 x 4 mm PVC tubing	TUBEDISCHARGE
3	Tri - Roller Block with 3 Rollers + Axles - assembled	AP_ROLLBLOCK
4	Electrical Lead and plug in adaptor - Australian 3 pin plug	LEAD_PUMP_INP
5	Suction Tubing Clear 6 x 4 mm PVC tubing	TUBESUCTION
6	Suction Tube Drum Weight for Chemical Tank	AP_DWEIGHT
7	AP peristaltic pump clear frontplate - Blue tint polypropylene	AP_PERI_LID
8	Norprene Squeeze Tube and Tube nuts	AP_TUBE4824
9	AP 1 LPH pump complete with tubing, injectors, and power lead	AP PERI 1 complete
9A	AP 3 LPH pump complete with tubing, injectors, and power lead	AP PERI 3 complete
10	Motor - 220 - 250 Vac 16 Watt - 10 RPM for 1 LPH pump	PUMP_MOTOR_10RPM
10A	Motor - 220 - 250 Vac 16 Watt - 30 RPM for 3 LPH pump	PUMP_MOTOR_30RPM

Service Kits

AP_PERI_S_KIT - AP PERI SERVICE KIT

(Maximum service interval - 12 months) Included in this Kit are the following

- AP_TUBE4824 Number 8
- AP_INJECT Number 1
- TUBESUCTION Number 5 2 metres
- TUBEDISCHARGE Number 2 2 metres

AP_PERI_O_KIT - AP PERI OVERHAUL KIT

(Maximum service interval - 2 years) Included in this Kit are the following

- AP_TUBE4824 Number 8
- AP_INJECT Number 1
- AP_ROLLBLOCK Number 3
- AP_DWEIGHT Number 6
- AP_PERI_LID Number 7
- TUBESUCTION Number 5 2 metres
- TUBEDISCHARGE Number 2 2 metres

Warnings

Chemicals in use as part of the treatment program may be hazardous. Please refer to the full Material Safety Data Sheets (MSDS) provided by your chemical supplier and ensure all personnel involved are aware of the handling and safety procedures.

Please read and understand all safety warnings on chemical containers before servicing any dosing equipment.

Wear as a minimum - safety goggles and gloves when servicing the dosing equipment.

Do not mix concentrated acids and oxidising agents as explosion, and/or toxic and lethal gas may be evolved, and/or fire result.

Keep all chemical containers sealed and free from contamination.

Regular Inspections and Maintenance

For optimum results and continued accuracy, the complete operation of the dosing system should be verified at least on a monthly service basis

Injection non-return valves and pumps should be cleaned and checked at least annually.

Sodium Hypochlorite being highly alkaline may lead to scale formation on its dose injector and this may require acid cleaning on a frequent basis.

On the peristaltic dose pumps, the squeeze tubes and roller block should be checked at least annually and should be replaced every 12-24 months.

More regular maintenance may be required for the larger 3.0 l/hr pumps, due to increased pumping rates.

Chemical suction and discharge tubes should be inspected monthly

Other Sales Bulletins from Aquarius

KPI Intelligent Water Treatment Controllers
Cooling Water Treatment Controllers
Swimming Pool Disinfection Controllers
Trade Waste or Effluent Controllers
Potable Water Disinfection Controllers
AquaGuard 2 Water Management Software
for remote control interface from a PC



Aquarius Technologies Pty Ltd

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