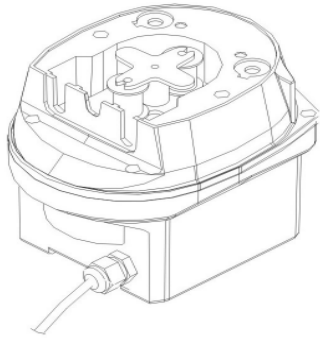
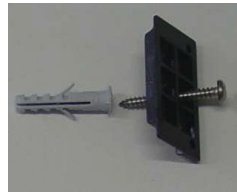


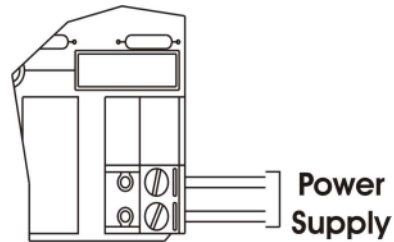
Picture 1



Picture 2



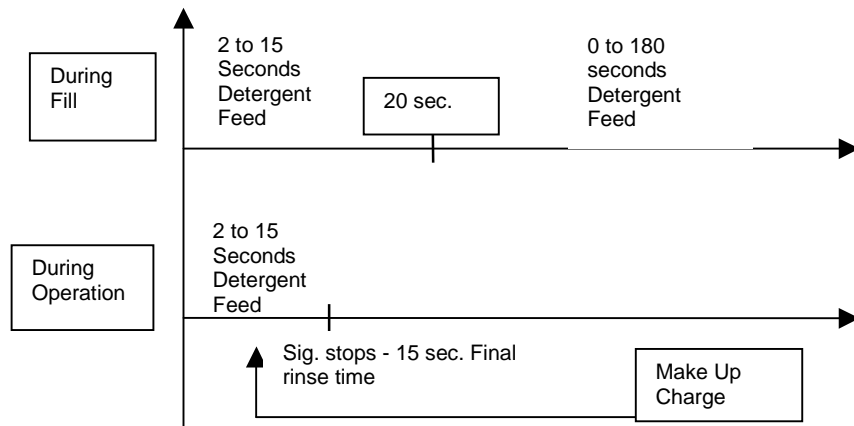
Picture 3



Picture 4



Picture 5



### PRT-6

**PERISTALTIC PROBELESS DOSING PUMP WITH TIMED CONTROL**  
(Liquid Chemical Dosing For Single Tank Door Type Machines)

### **MAINTENANCE AND INSTRUCTION MANUAL**

Automatically accepts AC voltage range as follows:

**Power supply: 100 – 240VAC**

Max. suction height: 5 ft.

Fixed flow rate ( $\pm 5\%$ ): 3.5 oz/min.

**During Rinse-Make Up Charge**

**Chemical Feed Time:** Adjustable From 2 to 15 seconds **Dwell** - 20 seconds

**During Initial Fill-Initial**

**Charge Chemical Feed Time:** Adjustable From 0 to 180 seconds

*NOTE: This pump is designed to work with single tank, door type machines that use the same solenoid for both automatic fill and final rinse functions.*

### **NOTICE**

**When installing the pump read the label and verify the following:**

- tubing material is compatible with the chemical being dispensed;
- the power supply is within the pump's voltage rating
- pressure at the injection point is lower or equal to the pump nominal pressure;
- pick-up tubing is inserted in the liquid container, secured to the pick-up connection of the pump (represented on the lid with  $\triangle$ ) and tightened with the proper nut (see picture 1);
- delivery tubing is secured to the delivery connection of the pump (represented on the lid with  $\nabla$ ), tightened with the proper nut and fitted to the tank injection connection;

**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN PERSONAL INJURY OR DAMAGE TO THE EQUIPMENT LEADING TO IMPROPER OPERATION OR PRODUCT FAILURE**



**Before carrying out any operation on the pump, disconnect the power supply !!**

## INSTALLATION INSTRUCTIONS

### Installation with the provided bracket

- Mount the plastic bracket with the provided screw;
- in case of tiled or low friction walls use the supplied adhesive tape as follows:  
peel off one of the two protective foils from the tape, stick the tape to the bracket, peel off the second protective foil and proceed to mount the bracket with the provided screw;
- slide the grooves on the back of the pump over the bracket.

### Installation through the back cover

- Open the housing by removing the front screws.
- detach the power supply connection from the circuit board;
- holes for mounting are on the back cover of the system: break the plastic protections from the holes with an awl or screwdriver (to trace the drilling template the back cover can be used);
- mount the back cover with the provided screw or suitable substitute.
- reattach the power supply connection to the circuit board and mount the front part of the system by replacing the screws.

### Suction filter installation

- Insert the end of the tubing in the metal weight so that it exits from the flared end of the weight; insert the filter's barbed fitting in the same end of the tubing;
- Tighten the tubing by sliding the weight over the barb until it is flush with the filter;

(Picture 4 shows the steps for installing the suction filter) It is strongly recommended to use the suction filter in all situations, assuring that it reach the bottom of the product container. It should be cleaned periodically to remove product residual or accumulation of debris.

### Tank injection connection installation



- Drill a 7/8" hole in the tank wall and refer to picture 2 for proper mounting.

### Electrical connections

- Connect the power supply of the pump to the dishwashing machine fill/final rinse solenoid or rinse control circuit (see picture 3)

### Dosing time regulation (see picture 5)

- the dosing pump operates as follows:
  - A. the dosing pump starts working when the power supply is applied, dosing the detergent for 2 to 15 seconds, as set using the right trimmer near the LED (see picture 1); you have the max time when the trimmer dial is set completely clockwise
  - B. When the power supply exceeds 20 continuous seconds, it will be recognized as an initial fill (i.e. this should only occur during the initial tank fill; *Dwell = 20 seconds*), the pump starts again and doses from 0 – 180 seconds, (*initial charge*), as set by the left trimmer.
- The bi-color lights indicate:
  - ⇒ the power supply is "ON" when the light is FIXED RED;
  - ⇒ the motor is working and the pump is dosing when the light is FIXED GREEN;
  - ⇒ between the end of the set time of T make up charge and the end of Dwell, the light is FLASHING RED.

 **ATTENTION**   
**BETWEEN THE END OF T MAKE UP CHARGE AND THE START OF T INITIAL CHARGE, THE MOTOR OPERATION STOPS, BUT DOES NOT DISCONNECT THE POWER SUPPLY TO THE CIRCUIT !!!**

### Tubing replacement

- Disconnect the unit from the power supply and remove the transparent front cover
- turn the roller assembly so that the rollers are situated vertically, slide the connection on the left toward you pulling the tube out of its seat and manually rotate the roller assembly clockwise until it is possible to extract the right hand side connection from its seat;
- **to install the tube** turn the roller assembly so that the rollers are lined up horizontally;
- insert the connection in its seat on the left of the pump with the curved side towards the rear of the pump and pushing the tube into its seat while manually rotating the roller housing clockwise until it is possible to insert the right hand side connection into its seat;
- insert the cover starting from the top, with the textured side facing the pump and pushing slightly on the sides until it clicks in place.