

# Nozzle Filter Replacement

for electronic single channel, adjustable and fixed volume models



## **When to Replace:**

Nozzle filters are made of a cellulose material which prevents liquid from entering the interior of the pipette. If the filter becomes wet, the pipette will not aspirate or dispense until the filter is replaced.

## **Catalog No. 9057-2009**

*For electronic single channel models 2–125 $\mu$ L & 5–250 $\mu$ L; adjustable models 10–100 $\mu$ L & 20–200 $\mu$ L; fixed volume models 21 to 200 $\mu$ L*

## **Catalog No. 9057-3009**

*For electronic single channel model 25–1250 $\mu$ L; adjustable model 100–1000 $\mu$ L; fixed volume models 201 to 1000 $\mu$ L*

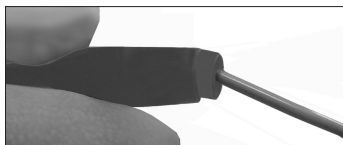
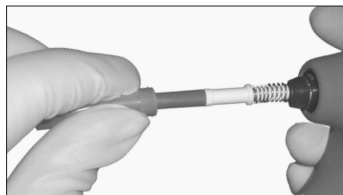
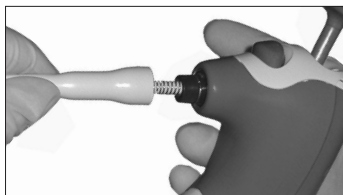
## **Package includes:**

- 25 nozzle filters
- Tubing
- Filter insertion tool
- 3 rubber nozzle plugs
- Instructions

## **Procedure:**

Note: Wear gloves

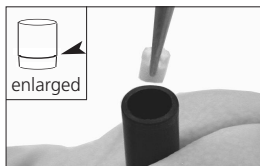
1. Remove the ejector sleeve.
2. Remove nozzle by placing the rubber tubing provided onto the nozzle, and unscrew it in a counterclockwise direction.
3. Remove the rubber plug at the tip end of the nozzle by inserting a straightened paperclip into the small hole in the plug. Use the inserted end of the paperclip to pry the plug out of the end of the nozzle.



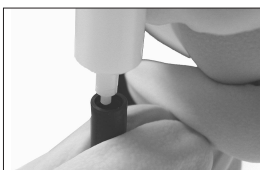
4. Insert the paperclip into the threaded end of the nozzle and push out the old filter.



5. Pick up a new nozzle filter with tweezers or fingers and place it into the tip end (non-threaded) of the nozzle. The end of the filter with the visible ridge should be inserted first.



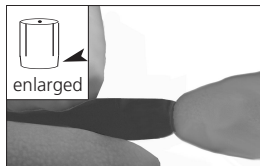
6. Use the filter insertion tool to push the filter into position. Firmly press down until the filter is pushed to the bottom of the nozzle.



7. Tap the nozzle on the counter to remove any loose cellulose material.



8. Re-insert the rubber nozzle plug into the front end of the nozzle. The end of the plug without side ridges is inserted first. Press in until plug is even with surface edge of the nozzle. If filter is not completely seated, the plug will extend beyond the end of the nozzle. Remove plug and firmly seat filter with insertion tool.



9. Place rubber tubing back onto the nozzle, and screw the nozzle onto the pipette in a clockwise direction. Firmly tighten and remove tubing from nozzle. Re-install ejector sleeve.

