



# SASS<sup>®</sup> 3010

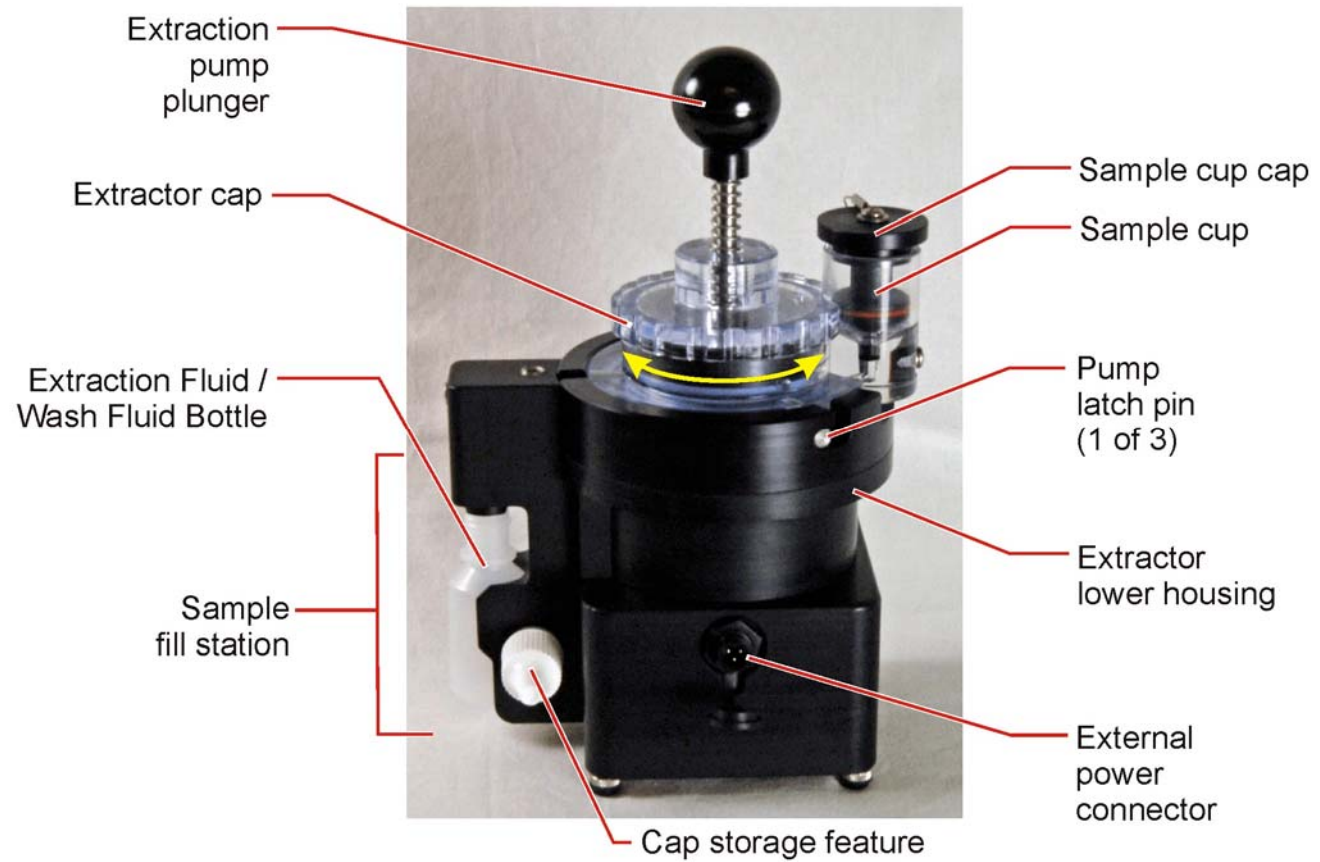
Manual Particle Extractor

## Using the SASS 3010 Manual Particle Extractor





# SASS 3010 Major Components

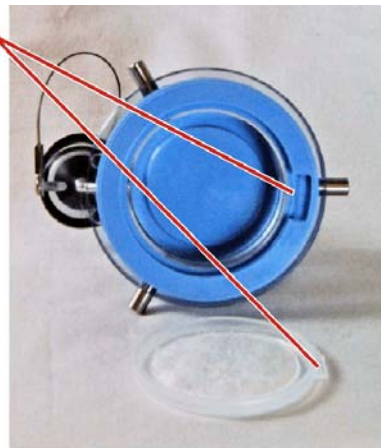




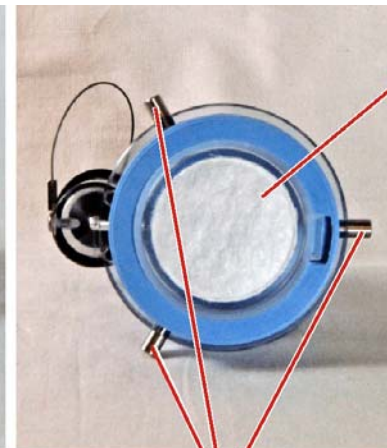
## Steps 1 & 2

- Remove the extractor's cap by rotating the cap counter-clockwise so that the latch pins are free and lift off.
- Insert a filter in the extractor cap with its cupped (concave) side facing toward the cap's top. Make sure the filter's tab is keyed into the slot.
- Remount and lock the cap onto the lower housing by rotating the latch pins to their locking position.

Filter tab  
goes in slot



Filter  
assembly  
in place  
(concave  
side to top)



Latch pins



## Step 3

- Remove the cap from the SASS 3010 Extraction Buffer bottle which is in the SASS 3010 Extraction Kit (Part No. 7000-162-134-02).





## Step 3 (cont.)

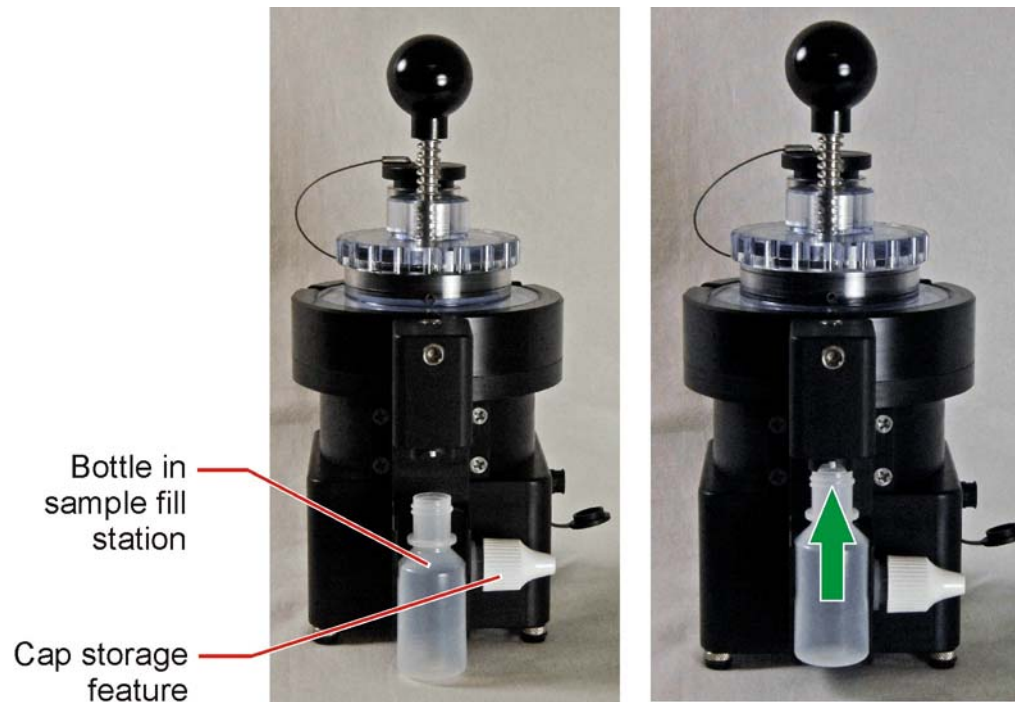
- Remove the Sample Cup cap. Dislodge the dropper tip from the bottle by leaving the cap on loosely and using it to snap-off the dropper tip. Store cap and dropper tip on Cap Storage Feature (see illustration on Step 1). Slowly pour the contents of the Extraction Buffer bottle into the Sample Cup. Replace and securely seat the Sample Cup cap.





## Step 3 (cont.)

- The Extraction Buffer bottle also stores the extracted sample fluid. Snap the empty bottle into the Sample Fill Station holder and slide upward so that the bottle lip contacts the surface immediately below the nozzle.





## Step 3 (cont.)

- Momentarily press the green Agitation Button on the front of the unit. This will cause the unit to acoustically agitate the sample for about 15 seconds for better particle release. Agitation will stop automatically.





## Step 4

- To recover the fluid sample, slowly press down on the extraction pump plunger, allowing it to bottom out. Hold at the bottom for 2-3 seconds to allow all of the sample to flow into the bottle. Repeat this process 2 more times to make sure all fluid has been transferred into the dropper bottle. Remove the bottle and screw the cap/dropper assembly back onto it.
- Disconnect the top from the unit, and remove the filter. Place filter back in the storage bag or discard by appropriate means.



## Step 5: Standard Cleaning

- Place Extractor Cap back on unit.
- Remove Sample Cup cap.
- Pour in Wash Solution and replace Sample Cup cap. Place the empty Wash Solution bottle in the Vial Filling Station.
- Momentarily press the Agitation Button and wait until agitation has stopped.
- Press the plunger down three times to force all fluids into the Wash Solution Bottle. Remove and cap the bottle.
- Some droplets of water will remain inside the unit. These may be removed with a laboratory wipe or other absorbent sheet material; or the unit may be allowed to dry naturally, according to user preference.



Using the SASS 3010  
Particle Extractor

## Step 5: Low Carry-over Cleaning Protocol

- Sample-to-sample carry-over can be further minimized by performing two cleaning protocols as outlined in previous slide, but modified as follows:
  - For the first wash, use bleach solution instead of extraction solution. Allow the device to soak in the bleach solution for 10 minutes after agitation and before solution removal.
  - Wipe interior surfaces dry.
  - For the second wash, use the normal extraction solution or a user-preferred post-bleach neutralizing solution.
  - Wipe all surfaces dry or allow to air dry in a clean area.

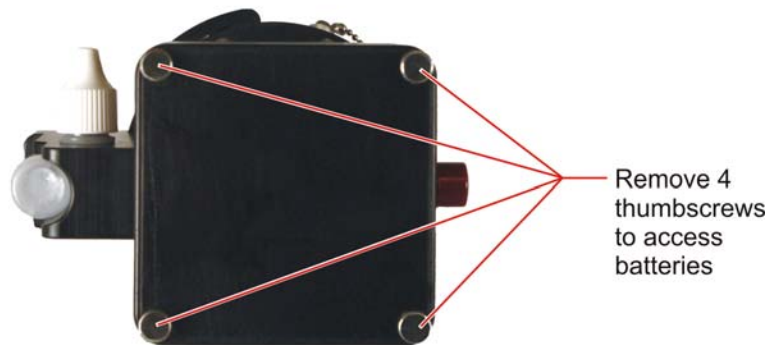


# Addendum: Alternate Electrical Connection



## Addendum: Replacing Batteries

- To replace batteries remove the 4 (four) attaching screws on the bottom of the unit and replace with 2 (two) new D-Cell batteries.





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