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*The Power of Applied Science™*

## Hg5® Filter Cartridge Replacement & Recycle Procedure

### Warning

The waste stream treated by the Hg5® is discharge from a dental vacuum system and as such may contain concentrations of solid and soluble mercury and silver. Because of this any spills should be considered hazardous and should be handled in accordance with standard hazardous materials (HAZMAT) handling procedures. Depleted filter cartridges are a HAZMAT and should be handled, stored and disposed of according to regulations applying to hazardous waste containing mercury. Always wear protective gear when handling depleted Hg5® filter cartridges (latex gloves, safety glasses or face shield) and dispose of per local regulations and codes.



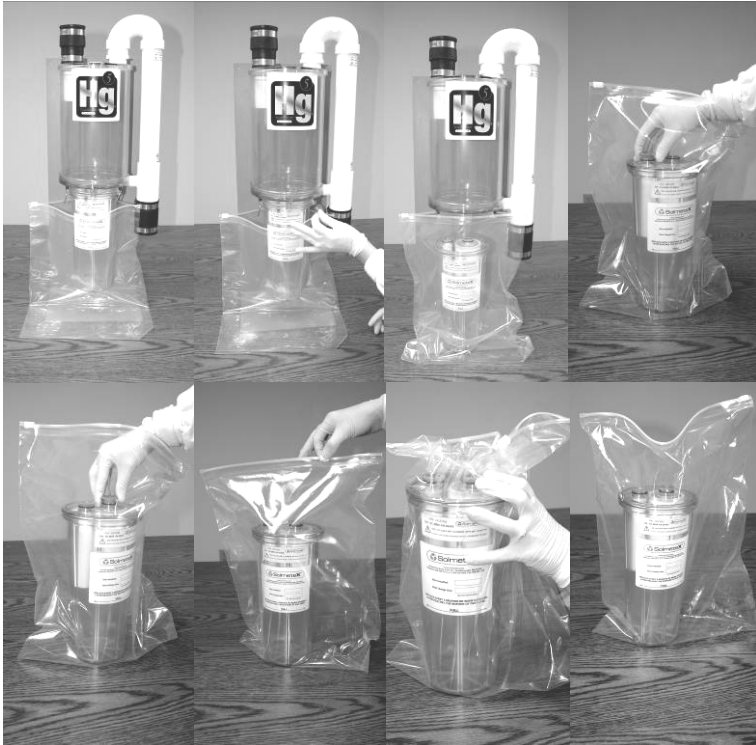
**THIS PROCEDURE SHOULD BE PERFORMED ONLY WHEN NO PATIENTS ARE BEING WORKED ON AS LOSS OF CHAIRSIDE VACUUM MAY OCCUR. LEAVE THE VACUUM SYSTEM RUNNING DURING THE ENTIRE FILTER CARTRIDGE CHANGE OUT PROCEDURE!**

1. Sanitize the vacuum system using the sanitization procedure established at your facility. It is good practice to leave the vacuum pump running for 5 to 10 minutes every time the system is sanitized in order to allow excess liquid time to evacuate the lines.

**2. SAVE INNER CARTON AND FOAM END CAPS FOR RETURN SHIPMENT OF YOUR DEPLETED FILTER!** You will find the replacement filter cartridge inside the inner carton with the following contents:

- a. One (1) Hg5® Instruction Sheet.
- b. One (1) Hg5® Filter Cartridge.
- c. Two (2) Foam Packaging End Caps.
- d. One (1) “slider lock” style Disposal Bag.
- e. One (1) UPS Authorized Return Shipping Label (Where applicable - Not Available in All States).
- f. One (1) 12” length of Packaging Tape.
- g. Two (2) 6” length of Packaging Tape.





3. **With the vacuum system still running**, remove the depleted filter cartridge from the Hg5<sup>®</sup> Unit as follows:

- a. Open the slider lock bag supplied and slip it over the filter cartridge to be removed.
- b. Support the filter cartridge with one hand, removing the retaining pins with the other hand. The filter cartridge can now be pulled down easily. Any liquid dripping from the Hg5<sup>®</sup> will be caught in the plastic bag.

**WARNING**

**Hold bag securely as upper chamber may contain some residual liquid than will drain during removal of the filter cartridge.**

- c. Remove the plastic caps from the inlet and outlet fittings of the new filter cartridge.
- d. Place these caps into the inlet and outlet fittings of the depleted filter cartridge.
- e. Squeeze out all excess air and zip the disposal bag closed.

4. **With the vacuum system still running**, Install your new filter cartridge:

- a. The filter cartridge can be installed only one way. Note the alignment of the fittings on the filter cartridge with the receiver holes in the upper unit.
- b. Gently insert the fittings into the receiver holes. This can be accomplished by rocking the filter cartridge slightly. The O-rings on the fittings should seat easily into the upper unit receivers.
- c. Continue to push the filter cartridge into the upper unit until it is fully seated.
- d. Insert the retaining pins into their holes until seated. The filter cartridge is now locked into place.



5. Fill out the information label:

- a. Enter the "Date Installed" on the new filter cartridge.
- b. Enter the "Next Change Due" on the new filter cartridge.

**NOTE: YOUR FILTER CARTRIDGE MUST BE CHANGED ONCE EVERY SIX (6) MONTHS OR WHEN THE SEDIMENT LEVEL REACHES THE FULL LINE, WHICHEVER OCCURS FIRST.**

6. Note the vacuum gauge reading. The reading should be the same as before the filter cartridge change.

Due to local regulations and codes, the UPS Authorized Return Service (ARS) Program is not yet available in Missouri, Pennsylvania or Virginia. If your practice is located in one of these states, you will need to contact a licensed waste hauler in your area in order to have your depleted filter cartridge properly disposed of.

7. Package and Ship the depleted filter cartridge:

- a. Place the depleted filter cartridge into the foam bottom and top caps and then into the shipping carton.
- b. Close the box.
- c. Using a wet sponge, thoroughly moisten the 12" piece of shipping tape and apply to the center seam ensuring a tight seal.
- d. Using a wet sponge, thoroughly moisten each 6" piece of shipping tape and apply to the box end seams ensuring a tight seal.
- e. Apply the UPS shipping label to the top of the box.
- f. Call UPS at 1-800-PICK-UPS (742-5877) to schedule pick up (Where Applicable - Not Available in All States).
- g. Retain the pickup receipt for your records.
- h. You will receive a Certificate of Recycle after your depleted filter cartridge has been processed.

