



**Solmetex™**

NXT Hg5® Collection Container  
Replacement & Recycle Procedure

# NXT Hg5 Amalgam Separator



Your collection container must be changed once every twelve (12) months or when the sediment level reaches the full line on the collection container label; whichever occurs first. Check the sediment level of the collection container weekly.



## WARNING

The waste stream treated by the NXT Hg5® is discharge from a dental vacuum system and as such may contain concentrations of solid and soluble mercury and silver.

- Always wear protective gear when handling full NXT Hg5® collection containers (latex gloves, safety glasses or face shield) and dispose of per local regulations and codes.
- Full collection containers should be handled, stored and disposed of according to regulations applying to hazardous waste containing mercury.
- Any spills should be considered hazardous and should be handled in accordance with standard hazardous materials handling procedures.

## NOTICE

- Keep the vacuum system running during the entire collection container replacement procedure.
- If using a variable speed vacuum, refer to the vacuum manufacturer's user guide. Ensure at least one suction valve is open and vacuum is engaged before changing collection container.
- This procedure should be performed only when no operatories are being used as loss of chairside vacuum may occur.

# Contents of Recycle Kit

- One (1) NXT Hg5 Collection Container Replacement & Recycle Procedure instructions
- One (1) NXT Hg5 collection container with red plugs
- One (1) recycle cap with unique shipping code
- Two (2) biodegradable molded pulp packaging end caps
- One (1) recycle shipping box
- One (1) 15" length of packaging tape
- Two (2) 6" lengths of packaging tape
- Two (2) loose red plugs
- One (1) packing slip envelope for return shipping label



## Change Collection Container

1. **Save inner carton and pulp end caps for return shipment of your full collection container.**
2. Note the vacuum gauge reading before changing the collection container, as the reading should remain unchanged after collection container change-out.
3. Remove the new collection container, unscrew recycle cap, **remove red plugs** and set aside.
4. **With the vacuum system still running**, remove the full container from the NXT Hg5® unit as follows:



- a. Support the collection container with one hand, removing the retaining pins with the other hand.
  - b. Tilt the collection container to the side to release the vacuum then pull down to remove the collection container.
5. **With the vacuum system still running**, install your new collection container as follows:
    - a. The collection container can be installed only one way. Note the alignment of the fittings on the collection container with the receiver holes in the upper unit.
    - b. Align the collection container so that the longer nozzle fitting is in line with and on same side as the outlet port on the upper unit.

- c. Gently insert the collection container fittings into the upper unit receiver holes.
- d. Continue to push the collection container into the upper unit until it is fully seated.



- e. Insert two (2) retaining pins into their holes on each side of collection container until seated. The collection container is now locked into position.
6. Fill out the information on label:
    - a. Enter the "date installed" on the new collection container.
    - b. Enter the "Next Change Due" on the new collection container.
  7. The vacuum gauge reading should be the same after the collection container is changed.

## Recycle Collection Container



### WARNING

- **Package and ship collection container immediately to avoid unnecessary leakage or exposure to waste.**
- Before taping shipping box, ensure all packaging, pulp inserts, have been properly used.
- To avoid leaking hazardous material during shipment carefully follow steps 8 and 9.

8. Push two red plugs into top of spent collection container, place recycle cap onto collection container and screw down tightly to the point where the O-ring seal is no longer visible and the cap is flush against the collection container.

9. **IMPORTANT:** Note and record the “Shipping Code” located on the Recycle Cap. This will be required to obtain a return shipping label.



10. Place the sealed container into the recycle return box between the molded pulp packaging end caps (one at each end) to protect container during shipment.



11. Close the return shipping box and prepare box for shipment of full collection container.
- Using a wet sponge, thoroughly moisten the 15” piece of shipping tape and apply to the center seam. Also moisten each 6” piece of shipping tape and apply to the box end seams ensuring a tight seal.
  - To obtain shipping label for recycling, go to [www.solmetex.com](http://www.solmetex.com). Hover over “Recycling Program” for instructions on how to obtain and print shipping label. See page 6 for additional details.
  - Place UPS shipping label into the packing slip envelope, remove backing to expose adhesive and place envelope on box.
  - Ship collection container package **immediately** to avoid unnecessary leakage or exposure to waste.
  - You can download a certificate after your collection container has been received at the recycling facility. Please go to [www.solmetex.com](http://www.solmetex.com), click on Recycling Program/Certificate Login and enter information. See page 6 for additional details.
12. **IMPORTANT:** Retain your packing slip. It contains your account number that will be necessary for login.







In 1999, Solmetex designed the Hg5 that has quickly become the industry standard in Amalgam Separation. We have extensive experience in water chemistry, chemical separation science, process engineering, high performance manufacturing as well as federal, state and local regulations governing water and hazardous wastes.

What makes Solmetex different is our 'Total Solution Provider' concept – integrating waste handling and recycling into our complete product line to provide a truly *green* set of solutions. Solmetex is the global leader and our Hg5 series of systems is the gold standard in high performance amalgam separation.

Solmetex LLC  
50 Bearfoot Road  
Northborough, MA 01532

800.216.5505  
[www.solmetex.com](http://www.solmetex.com)