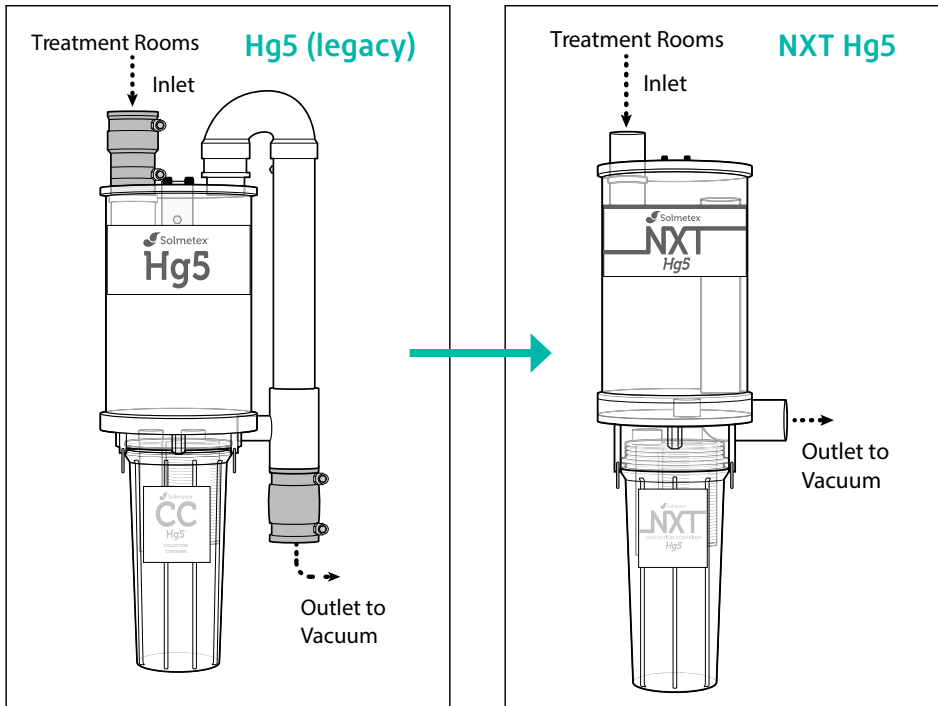


Upgrading from an Hg5® (legacy) to an NXT Hg5® Amalgam Separator



System Components



FIRST, ASSESS IF YOU CAN DIY (DO THIS YOURSELF)

No two installations are exactly alike. Depending on how your NXT Hg5 or Hg5 system was installed, a changeout can be simple or complex. Before you start, take a few photos of your system, then contact our tech team for a quick assessment. They'll walk you through what to expect, share helpful tips, or let you know if a professional is the better option.

For a quick assessment from our tech team:

→ contact Customer Support at 1.800.216.5505 or → via chat at [Solmetex.com](https://www.solmetex.com).

Access the guides below to navigate key steps:

Uninstallation Hg5® (legacy) System



Recycling Hg5® (legacy) Parts



Used Hg5® Upper Chamber
in Bucket



Used Hg5® Collection
Container in Box

Installation New Nxt Hg5® System



Uninstallation of the Hg5 (legacy) Amalgam Separator System

FIRST, HOW TO ASSESS IF YOU CAN DIY (DO THIS YOURSELF)

Over thousands of system installations spanning several decades, we've observed many different methods used to install NXT Hg5 and Hg5 Amalgam Separator systems. Installation approaches vary based on equipment location, proximity to other devices, or simply the installer's preferences. Because of this variability, changeouts can range from very simple to quite complex—not every setup is suitable for a DIY changeout.

To help assess the ease or complexity of your particular installation, [please contact our tech team to discuss your system BEFORE you begin](#). They can advise you or conduct a remote assessment of your setup, providing clear instructions, tips and tricks to overcome minor challenges, or letting you know when a professional is needed. We want to keep your practice running smoothly and minimize any downtime.

Gather Tools and Supplies

- ✓ **7/16" or adjustable wrench**
- ✓ **Flathead screwdriver** to remove hardware attached to the backplate on the wall.
- ✓ **A hand saw or pipe cutter** to remove part of the pipe to fit the system into the recycling bucket.
- ✓ **Proper PPE**- Always follow your office protocol for personal protection when handling biohazardous material (gloves, eye/ face protection, and a lab coat).
- ✓ **Solmetex-supplied large recycling bucket for safe shipping of your old system** (included with upgrade) - The 6 (or 5) gallon amalgam waste recycling bucket is used for system components, but not the collection container. Solmetex Part Number WCP-6G (or WCP-5G)
- ✓ **Collection Container recycling kit** (included with upgrade) - For safely shipping the used collection container to the recycler.
Note: A used Hg5® Collection Container **requires** the Hg5® Recycling Kit. See contents of an Hg5 recycle kit in this guide.

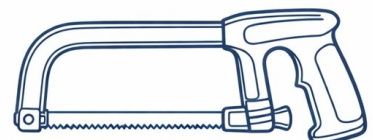
Note: Hg5 and NXT Hg5 recycle kit parts are not interchangeable.



Flathead Scredriver

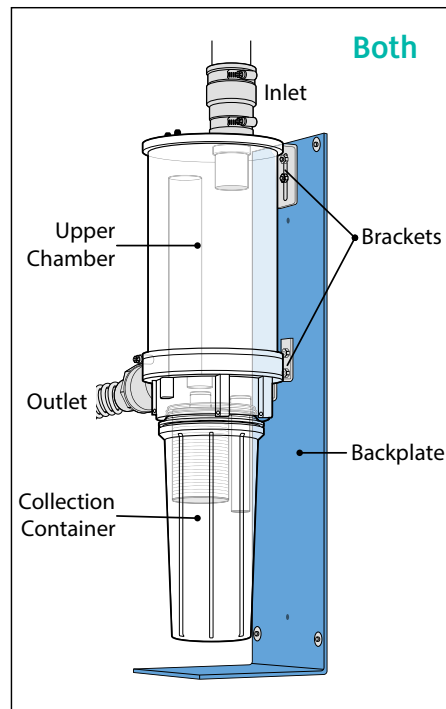
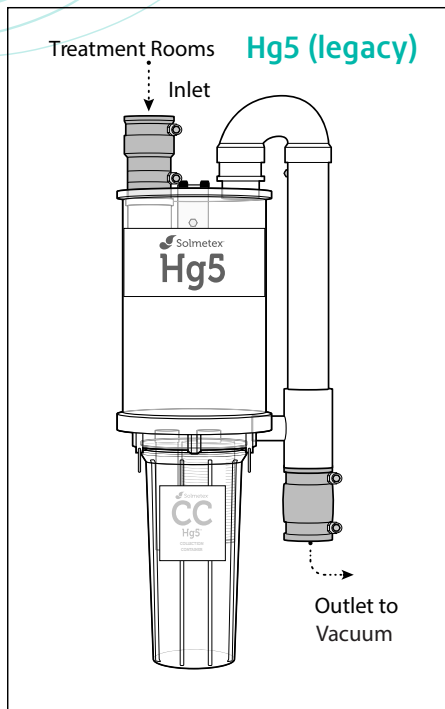


Adjustable Wrench



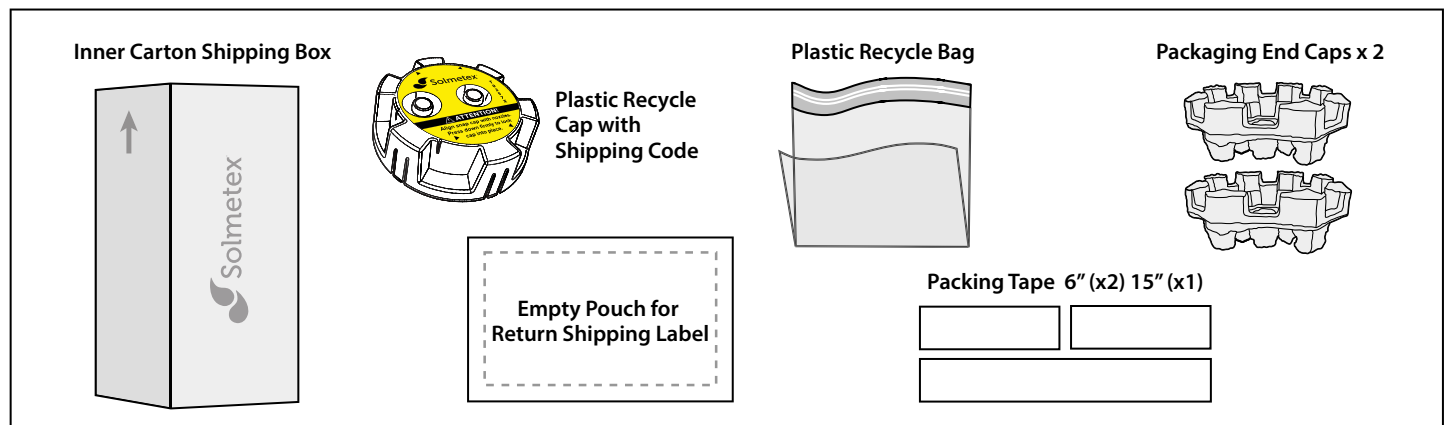
Hand Saw / Pipe Saw

System Components



Contents of Recycle Kit for the Hg5 Collection Container

- One (1) Replacement & Recycle Procedure instructions
- One (1) recycle cap with unique shipping code
- One (1) plastic recycle bag
- One (1) recycle shipping box
- Three (3) lengths of packaging tape - 15" (x1) 6" (x2)
- One (1) Clear adhesive pouch for return shipping label
- Two (2) packaging end caps



If you're missing parts or need to confirm you have everything required,

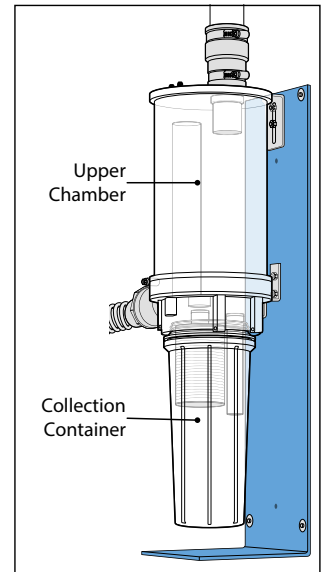
→ contact Customer Support at **1.800.216.5505** or → via chat at [Solmetex.com](https://www.solmetex.com).

Uninstall Your System - Hg5 (legacy)

There are multiple steps in the process of removing and recycling a system.

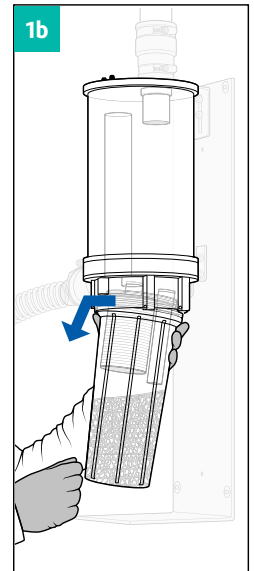
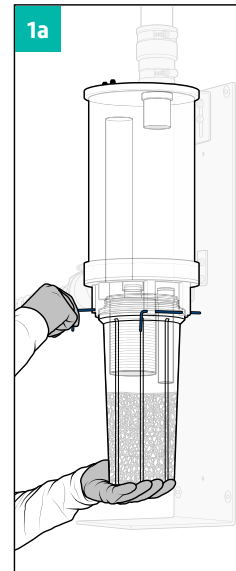
Before You Begin:

- Inspect** the **Upper Chamber** of the system to ensure there is no liquid waste in it. If liquid waste is present, contact Solmetex for further instructions. If no liquid waste is present in the **Upper Chamber**, proceed to remove the collection container.
- Prepare** the recycling bucket by lining it with the plastic bag provided and keeping nearby.
- Gather** the used collection container recycle kits parts nearby: recycle cap-
Note: Hg5 and NXT Hg5 recycle kit parts are not interchangeable You will need the Hg5 (legacy) recycle kit for the "used" Hg5 container.

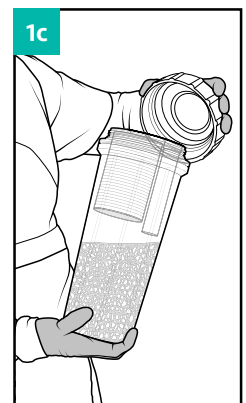


Remove Used Collection Container:

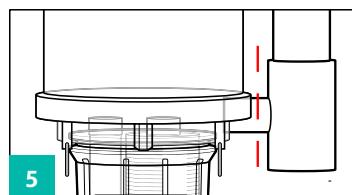
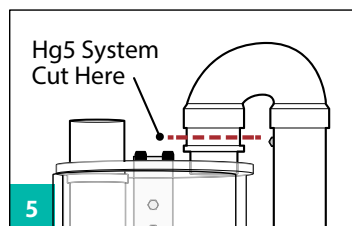
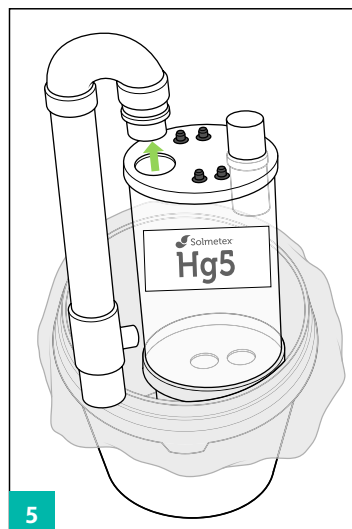
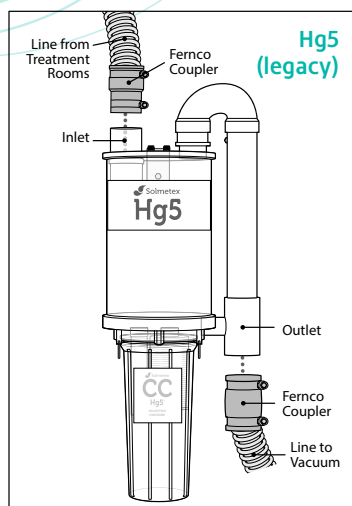
- With the vacuum system still running**, remove the used **collection container** from the system as follows: If **collection container** is completely full to the top, place lined bucket under the assembly before removal.
 - Support the **collection container** with one hand, removing the retaining pins with the other hand.
 - Tilt the **collection container** to the side to release the vacuum then pull down to remove.
- Seal the collection container** using the plastic recycling cap from the recycle kit.
 - Install the plastic recycling cap (with the shipping code)
For Hg5: Place Hg5 recycle cap onto Hg5 collection container. Align the snap cap with nozzles and press down firmly to lock cap into place. Once sealed, set aside.



Make a note of the single-use shipping code on the yellow label on top of the collection container cap. We recommend writing this on the outside of the shipping box.



Uninstalling your Upper Chamber



1. Now that the collection container is removed, **turn off vacuum system.**

2. Detach vacuum from the **inlet** and **outlet** ports of the Upper Chamber. You may need to loosen the clamps on the rubber fernco couplers with a screwdriver first.

For upgrades or reinstalls, leave the rubber couplers attached to the vacuum inlet and outlet lines. Those will be used on the new system.

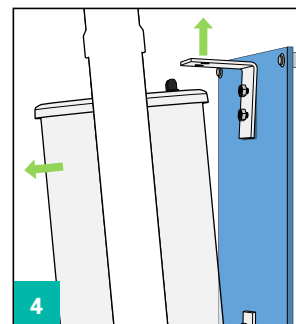
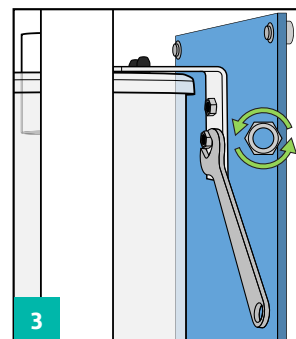
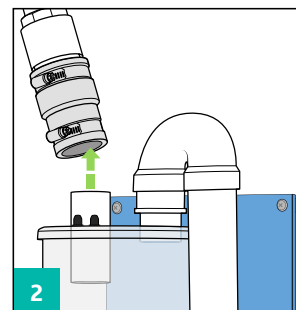
3. Loosen both nuts on the upper bracket using an adjustable or 7/16" wrench.

4. Lift loosened top bracket up over rubber tabs to release the Upper Chamber and pull system forward to remove Upper Chamber from blue backplate.

Note: The existing blue backplate can be reused for the new system. New hardware (brackets and fasteners) is included with the replacement system.

5. Set Upper Chamber into bucket for Recycling.

- The Hg5 System will not fit into the bucket until the plastic manifold on the side has been removed. To do this, using the hand saw, trim as close as possible to the point where the white pvc plastic part meets the clear plastic top of the Upper Chamber. Cut or break the side connections and fully separate from Upper Chamber. Put both the system and the removed manifold piece into the recycling bucket.



Next Step: Recycling

Complete packaging of the Hg5 for shipment to recycler before installing new NXT Hg5 System.

Note: The used upper chamber will be packaged and shipped for recycling separately. It does not ship with the used Collection Container.



Used Hg5[®] Upper Chamber in Bucket



Used Hg5[®] Collection Container in Box

Recycling Questions:



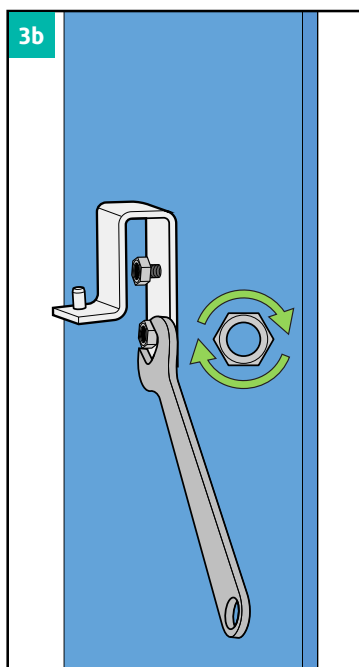
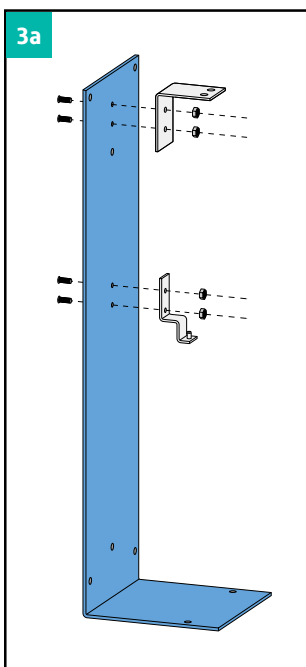
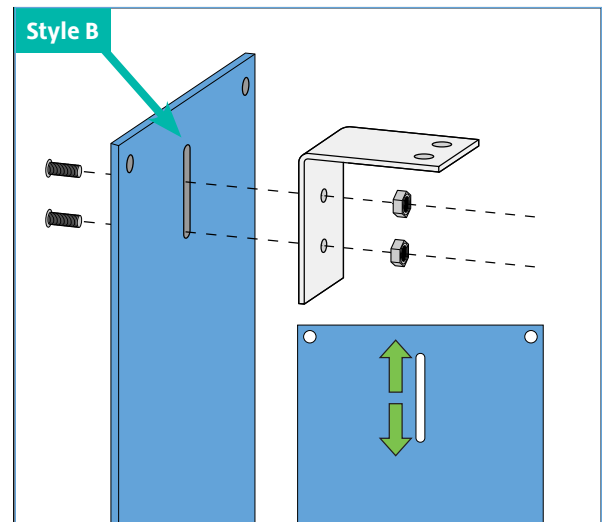
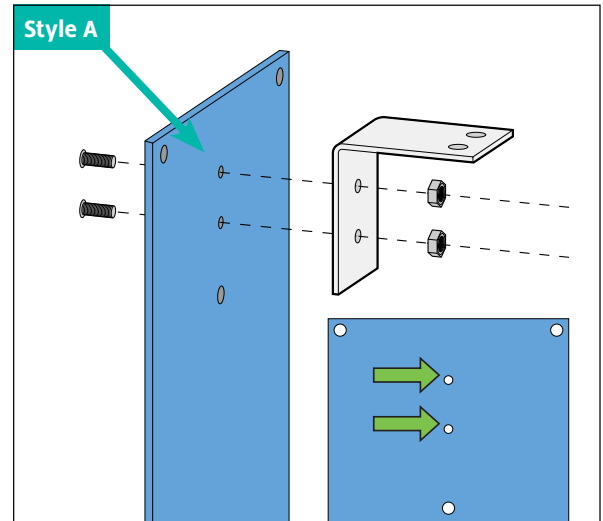
Call support at
1.800.216.5505

Installing the New NXT Hg5 System on the Existing Backplate



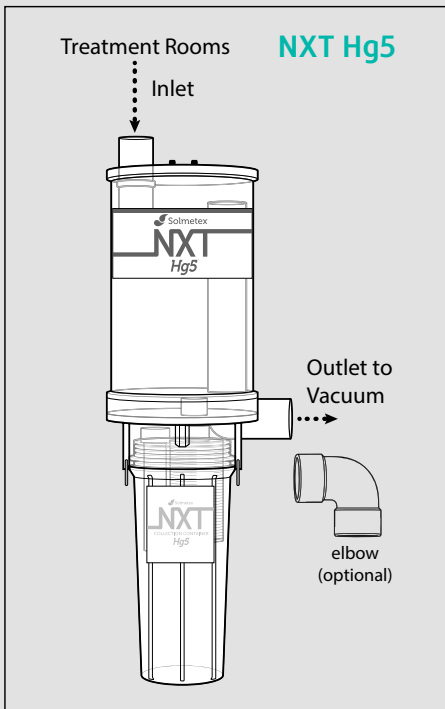
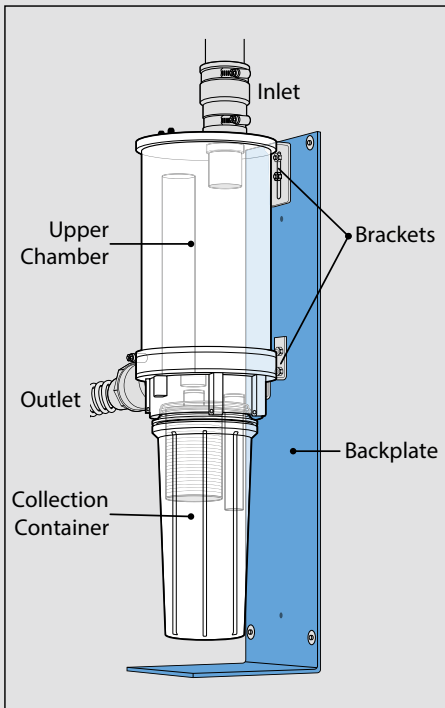
Replacing the mounting hardware

1. Remove old brackets and hardware on the backplate.
2. Remove backplate from wall, if mounted, to allow access to the back side. Install new hardware and brackets (provided) on the backplate.
3. Your existing blue backplate will have one of these two backplate styles:
 - **Style A** If your backplate has two holes for the upper bracket, the new brackets should align. If you find that the screw holes do not align with the new upper bracket, contact tech support via chat on [Solmetex.com](https://www.solmetex.com) or at **800-216-5505**.
 - **Style B** If your backplate has one long slot, you simply need to adjust the screw position to put the new bracket on.

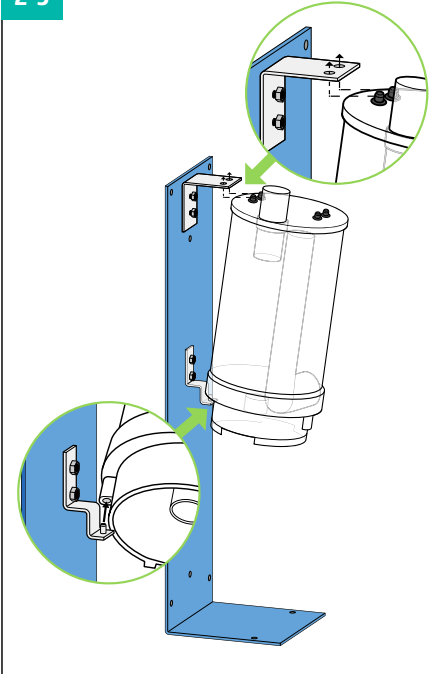


- a. Install 4 threaded inserts from the rear of the backplate and secure using 4 hex nuts on the front of backplate.
 - b. Install the bottom bracket first, tightening hex nut until snug.
 - c. Install top bracket, leaving nuts secure, but slightly loose to allow adjustment when Upper Chamber is installed.
4. Reattach blue backplate with new hardware to wall (if wall mounted).

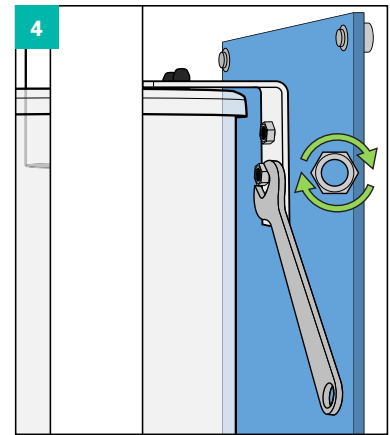
System Components



2-3



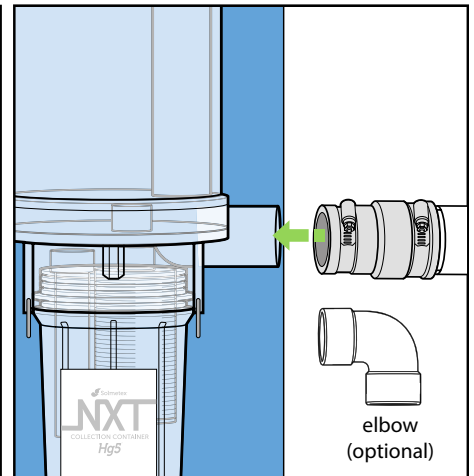
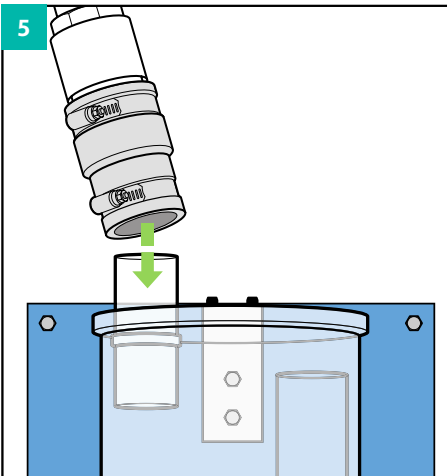
4



Install the Upper Chamber

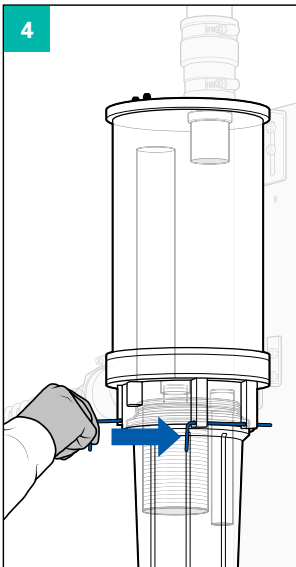
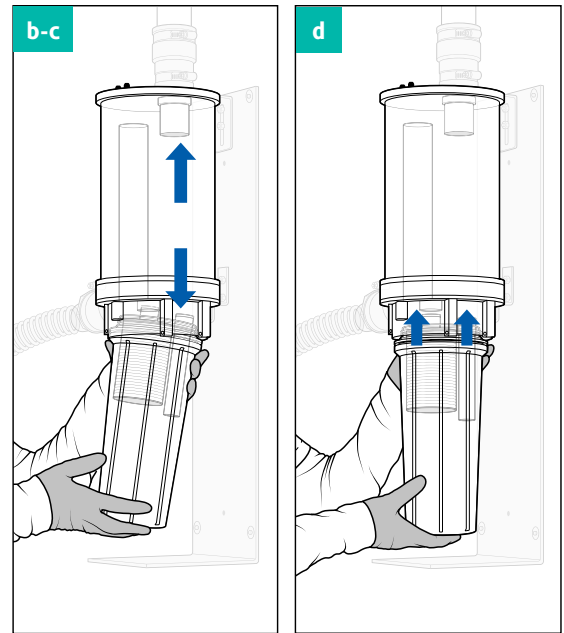
1. Confirm if system will be left or right-side oriented based on position of inlet and outlet hoses from prior system.
2. Set and mount the new Upper Chamber onto the lower bracket pin. Rotate assembly into place keeping slot engaged on pin.
3. Align and insert top bracket holes with the rubber tips on top of Upper Chamber, then push the bracket down over tabs until unit is secured in place.
4. Once the Upper Chamber is securely in place, tighten both nuts on the upper bracket.
5. Reattach **(but don't restart) the vacuum**
Reattach the inlet and outlet vacuum line hoses using the rubber fernco couplers. If needed, an elbow is included. Do not glue plumbing to the NXT Hg5 inlet or outlet except elbow if used.
6. Support all connected vacuum tubing and piping to avoid stressing the inlet and outlet connections.

5



Install the Collection Container

1. Locate the new **NXT Hg5** Collection Container
2. 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.



3. Insert two (2) retaining pins into their holes on each side of collection container until seated. The collection container is now locked in position.
4. Fill out the information on label:
 - Write the "date installed" on the new collection container.
 - Write the "Next Change Due" on the new collection container. Choose a date that represents your usual replacement frequency but no more than 12 months in the future.
 - Set a calendar reminder to inspect the collection container.

5. Restart the vacuum

And you're done!



Be sure to ship packages immediately.

Recycling Questions:

Call support at
1.800.216.5505



Packing and Shipping to Recycler

If you haven't already, pack old system items for shipment to the recycler:



Used Hg5[®] Upper Chamber in Bucket



Used Hg5[®] Collection Container in Box



Hg5 Air Water Separator Recycling & Shipping Instructions

Air Water Separator Packing Instructions:

- Open and place plastic bag bucket, remove white PVC piping from the air water separator and dispose of any liquid.
- Place both items into plastic bag lining the 5 gallon return bucket.
- Note: no other material is to be placed in this shipment. Do not include any other metals or liquid mercury.
- The Hg5 Collection Container needs to be packaged separately.
- Place amalgam bucket into shipping box.

Complete Amalgam Waste Recycling Form:

- Fill out Part 1 of the "Profile Form for Recycling of Waste Amalgam".
- Sign and date bottom of the form.
- Place completed form into the return shipping box.
- Make note of shipping code on lid of bucket before proceeding to the next step.
- Use supplied twist tie to close plastic liner bag and place into 5 gallon amalgam bucket.
- Place amalgam bucket into shipping box.

Shipping Procedure:

- **Locate "Shipping Code" (see below) prior to packing container.**
- Visit Solmetex.com and click the "Recycling Shipping Label" button on the homepage which will take you to My Solutions Center.
- Sign into My Solutions Center with your email address and password.
- Select Product - "6 Gallon or (5 Gallon) disposal for Upper Chamber" based upon the size of bucket you are using.
- Enter your Shipping Code located on the lid of the amalgam bucket, select Submit.
- A new screen will display your label. *Note: you may need to disable pop-up blockers.*
- Print the label, place the label into the packing slip envelope, remove backing from envelope and place on box for UPS pick up or call 1-800-742-5877 to schedule free pick up.



One UPS label per Solmetex shipping box. Labels can only be used once.

How To Locate your Shipping Code:



Recycling Certificate:

- Visit My Solution Center to retrieve your Recycling Certificate. Please note: Recycling Certificates may take up to 30 days from date shipped to the recycler to process.



Profile Form for Recycling of Waste Amalgam

Please fill in fields shown in green. Type or print in ink.



Dentistry's Complete
Provider of Water Solutions

30 Bearfoot Road
Northborough, MA 01532

Date Received:	
Waste Name / Description: Spent Dental Amalgam	
Process Generating Waste: Spent Dental Amalgam from Dental Facilities	
Generator Information	
Office or Doctor Name:	
Shipping Address (Street, City, State, Zip):	
Contact Name:	Email Address:
Phone:	Fax (if applicable):

DOT/EPA Information		
D.O.T. Shipping Name: Spent Dental Amalgam for Recycling, DOT Non-Regulated (<1 lb Mercury)		
Packing Group: None	Hazard Class: None	UN/NA: None
Reportable Quantity:	ERG#:	E.P.A. Waste Codes: N/A (If Applicable)
Physical Description of Waste: Spent Disinfected Dental Amalgam		

Chemical Composition - Constituents: (Must Account for 100%)	Total %	TCLP (MG/L)	TCLP (MG/L)
Mercury (< 1 lb)	Up to 50%		
Silver, Zinc, Other Metals	Up to 50%		
Bleach Solution	Up to 50%		

Certification

I hereby certify that I have personally examined and am familiar with the information submitted in this and all attached documents.

Signature

Print Name/Title

Date

Mercury Recyclers International
PO Box 62686
Palm Bay, FL 32906
1-888-626-0694

APPROVAL #:

(MRI Use Only)

Hg5® Collection Container

Replacement & Recycle Procedure

Hg5® Amalgam Separator

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



Collection
Container

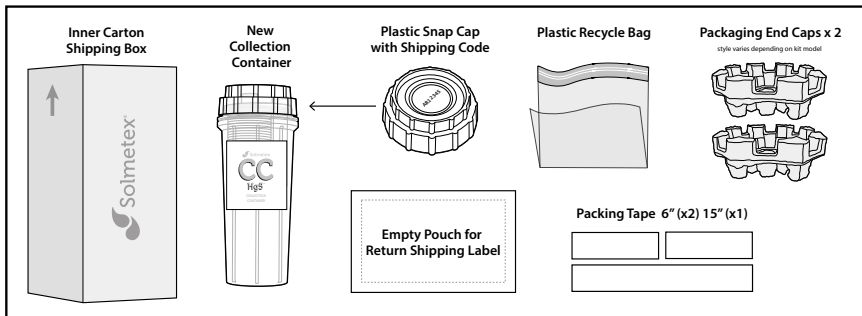
WARNING

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.

- Always wear protective gear when handling full 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.

Contents of Recycle Kit

- One (1) Hg5 Collection Container procedure instructions
- One (1) Hg5 Collection Container
- Two (2) recyclable packaging end caps
- One (1) snap cap
- One (1) plastic recycle bag
- One (1) recycle shipping box
- One (1) 15" length of packaging tape
- Two (2) 6" lengths of packaging tape
- One (1) packing slip envelope for return shipping label



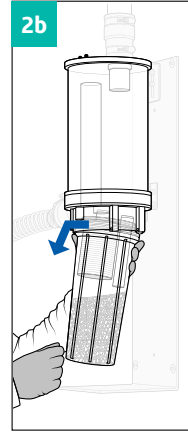
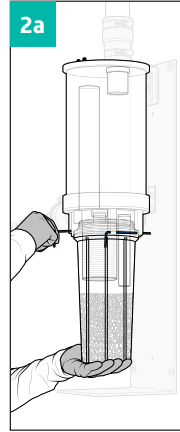
IMPORTANT

Keep vacuum system running during the entire collection container replacement procedure

- If using a variable speed vacuum, refer to the vacuum manufacturer's user guide. Insure at least one suction valve is open and vacuum is engaged before changing the collection container.
- This procedure should be performed only when no operatories are being used as loss of chairside vacuum may occur.
- Note the vacuum gauge reading before changing the collection container, as the reading should remain unchanged after collection container change-out.

Remove Used Collection Container

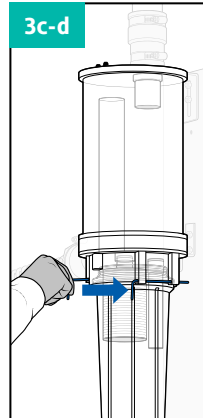
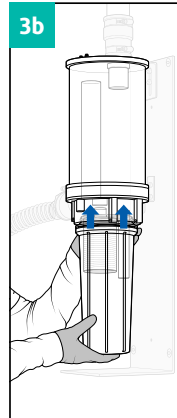
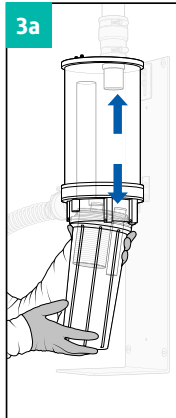
1. **Save inner carton and packaging end caps for return shipment of your full collection container.**
2. Remove the new collection container from the inner carton. **With the vacuum system still running**, remove the full collection container from the Hg5® system as follows:
 - a. Support the collection container with one hand, while 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.



Replace New Collection Container:

3. **With the vacuum system still running**, install your new collection container:

- 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. Gently insert the fittings into the receiver holes. This can be accomplished by rocking the collection container slightly. The o-rings on the fittings should seat easily into the upper unit receivers.
- c. Continue to push the collection container into the upper unit until it is fully seated.
- d. Insert the two (2) retaining pins into their holes until seated. The collection container is now locked into place.

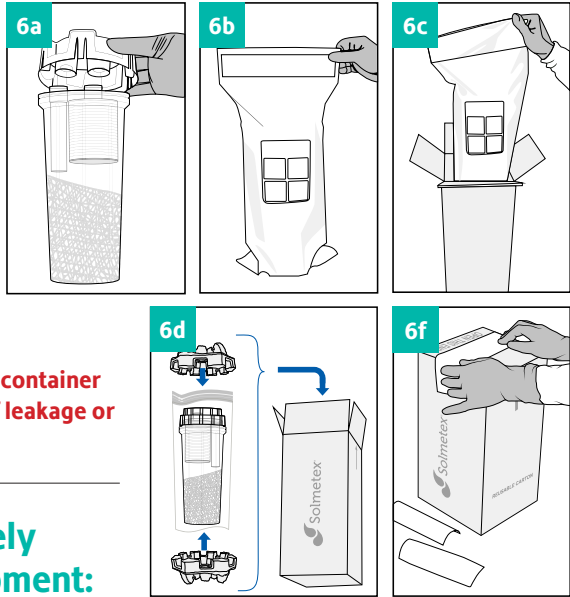
4. Fill out the information label:
 - a. Enter the "Date Installed" on the new collection container.
 - b. Enter the "Next Change Due" on the new collection container. Choose a date that represents your usual replacement frequency but is not more than 12 months.
5. The vacuum gauge reading should be the same after the collection container is changed.

The vacuum gauge reading should be the same after the collection container is changed.

Recycle Used Collection Container

IMPORTANT

Note and record the "Shipping Code" located on snap cap prior to packing the container. It will be required to obtain the return UPS shipping label.

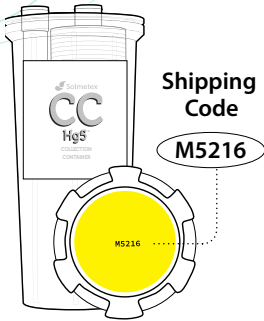


WARNING !

Package and ship collection container immediately to avoid risk of leakage or exposure to waste.

6. Sealing and Safely Packaging for Shipment:

- a. Align snap cap with collection container nozzles. Press down firmly to lock cap into place.
- b. Place the full collection container into the enclosed plastic recycling bag. Follow instructions shown on plastic bag for proper sealing to ensure leak-proof shipping.
- c. Place the sealed plastic bag into the bottom packaging end cap and insert into the shipping box.
- d. Place packaging end cap over snap end cap to secure container in box for shipping.
- e. Close the return shipping box and prepare for shipping.
- f. Seal Box: 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.



We recommend writing this code on the outside of the shipping box.

Shipping Label Instructions:

Have the "Shipping Code" ready. This was the unique number from the top lid on the old collection container that was captured before the box was sealed. If you don't have this information, contact our customer service via chat at Solmetex.com or by phone at 1.800.216.5505.

Before you begin: Your UPS label will display in a new window. Make sure your browser allows pop-ups from this site or disable your pop-up blocker before proceeding.



1. Visit www.solmetex.com and click the "Recycling Shipping Label" button on the homepage which will take you to the compliance portal.
2. Sign in to the compliance portal and locate "Print Shipping Label" on the screen. If this is your first time logging into the portal, but your office already has an account, follow the instructions to "Register" your new user account. It's easy! If your office is new to Solmetex, contact Customer Service (chat or phone) to be setup in the portal. You will need an account to download your recycling certificates.
3. Within the portal, click on "Print Recycling Label" located on the left side of screen.
 - a. Select product type and enter shipping code located on lid, then press submit.
4. Your UPS shipping label will display. If not, confirm pop-up blockers are off.
5. Print the UPS label, place the label into the included packing slip envelope, remove backing from envelope and place on box for UPS pick up, or **call UPS at 1-800-742-5877 to schedule a FREE pickup for this package.**



Note: UPS Shipping labels are connected to the individual Shipping Code on your collection container and cannot be reused for other shipments. Mismatched labels and contents may affect your EPA compliance documentation.

Accessing Your Recycling Certificates:

- To access your recycling certificate, visit solmetex.com and click on the link for the compliance portal in the menu bar.
- Log in using your email address and password, then select the "Recycling Certificates" tab. From there, you can view, print, download, and save the PDF to your computer.

Please note that recycling certificates may take up to 45 days from the date shipped to the recycler to process.

For More Information:

→ Call Solmetex **800.216.5505** → or "Live Chat" with us at solmetex.com
Mon. thru Fri. 8:30am – 5:00pm EST



**For manuals in other languages,
please visit solmetex.com or
scan the code.**

In 1999, Solmetex designed the Hg5 which quickly became 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. The Solmetex product line offers a truly green "Complete Solution" to dental waste handling and recycling. The Solmetex NXT Hg5 series is the global leader and gold standard in high performance amalgam separation.