



## Replacement Canister Installation Guide

# Replacement canister installation

## ✓ Don't forget!

Save the shipping carton for storage of your full collection canister!

### Contents of the Syclone replacement canister and recycle kit:

- Shipping box and cushions
- Instruction and recycling sheet
- (1) Replacement canister
- (2) O-rings (additional, added fitting option)
- (3) Plugs
- (2) Cap seal
- (1) Zip-style disposal bag
- (1) Return shipping label sleeve

### Shipping dimensions

#### Replacement canister:

**Length:** 10 ½"

**Width:** 9 ½"

**Height:** 12"

**Weight:** 4 lbs.



### Product specifications

- System dimensions: 12.7" W x 9.1" L x 28.4" H
- Replacement canister capacity: 1.5 Liters
- One Syclone Amalgam Separator will serve up to 10 chairs.
- Classification: Type 2, Sedimentation System
- Maximum temperature: 120° F (52° C)
- Maximum vacuum: 15" Hg (51 kPa)
- Maximum flow rate: 1 liter per minute

## ⚠ Hazardous Waste Warning

The waste stream treated by the Syclone Amalgam Separator is generated by a dental vacuum system and as such, may contain concentrations of solid and soluble mercury and silver. Full collection canisters should be handled, stored and disposed of according to regulations applying to waste containing mercury. All spills should be considered as hazardous and handled in accordance with standard hazardous materials (HAZMAT) handling procedures.

**Note:** Crosstex offers a recycling program for the safe disposal/ recycle of full canisters. Contact your dental distributor to purchase a Syclone Amalgam Separator Recycle Kit and replacement canister for the safe, eco-friendly disposal of your full canister.

Purchase of the recycle kit also includes processing of the used canister for recycling. Please visit the product webpage at [Crosstex.com](http://Crosstex.com) for information on Syclone canister recycling. The used canister may never be shipped to Crosstex International headquarters and must be sent to a qualifying recycling facility.

**Before you begin:** Examine the upper chamber of your Syclone Amalgam Separator. If liquid is present, wait until it has drained into the collection canister before proceeding.

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 canister change-out procedure.*

- Full canisters should be handled and disposed of according to applicable local, state, and federal regulations.
- **Remember to wear safety protective gear such as gloves and safety glasses or face shield when handling full Crosstex Syclone canisters.**

**NOTE:** If the system needs to be replaced, it should be handled, sanitized, stored and disposed of according to regulations applying to hazardous waste containing mercury. Remember to wear safety protective gear such as gloves and safety glasses or face shield and dispose of per local codes and regulations.

# Replacement canister installation (cont'd)



## PPE information

Remember to wear safety protective gear such as gloves and safety glasses or face shield when handling full Syclone canisters.

## Installing the replacement canister

### 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. Please note: record the vacuum gauge reading before removing the canister. It should be the same once the canister has been replaced.

### 2. With the vacuum system still running, remove the full canister from the unit as follows:

- Open the zip-style bag (provided), remove all fittings from inside and slip the bag over the canister to be removed.
- Support the canister with one hand while removing the retaining pins with the other hand. Tilt the canister to release the element-side receiver first (slotted pipe side – RIGHT side for right-handed installation or LEFT side for left-handed installation) and then pull down to release the entire canister.



**WARNING:** Hold the bag securely in the unlikely event that the upper chamber may contain some residual liquid that may drain during removal of the canister.

- Decontaminate the contents of the collection canister by pouring 1:100 bleach solution into the canister.
- Place the appropriate plugs into the inlet and outlet fittings of the full canister.
- Place the plastic caps on top of the plugged inlet and outlet fittings of the full canister.
- Squeeze out all excess air and zip the disposal bag closed.

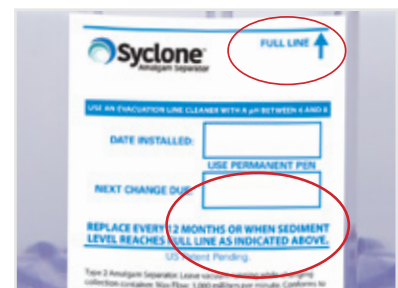
### 3. With the vacuum system still running, install your new canister:

- The canister can be installed only one way. Note the alignment of the fittings on the canister with the receiver holes in the upper unit.
- Gently insert the fittings into the receiver holes. This can be accomplished by rocking the canister slightly. The O-rings on the fittings should seat easily into the upper unit receivers. (If the fit appears loose, exchange the O-rings for the large-gauge O-rings included in the kit for a tighter fit.)
- Continue to push the canister into the top chamber until it is fully seated.
- Insert the retaining pins into their holes until seated.
- The canister is now locked into place.



### 4. Fill out the information label:

- Enter "Date Installed" on the new canister.
- Enter the "Next Change Due" on the new canister, which should be 12 months from the installation date.
- Note the vacuum gauge reading. The reading should be the same as before the canister change.



**Your canister must be changed every twelve (12) months or when sediment level reaches the Full Line; whichever occurs first. Check the sediment level of the canister weekly. If you would like to keep a written record of the visual inspection, please visit the Syclone product page on Crosstex.com to download copies of the Visual Inspection Log.**

# Warranty information

## Warranty

Syclone Amalgam Separators are warrantied against defects in material and workmanship for two (2) years from the date of purchase. Syclone replacement canisters are warrantied for one (1) year from the date of purchase. During warranty period Crosstex will at its sole discretion repair and/or replace products that prove to be defective at the original install point with established proof of purchase.

Labor, transportation and recycling service charges are specifically not included.

The Syclone replacement canister is warrantied for one (1) year when utilized on a compatible/compliant amalgam air/water separator. Crosstex will honor all compatible/compliant amalgam air/water separator warranties.

## Limitations of warranty

The warranty shall not apply to defects resulting from improper installation, maintenance, abuse, unauthorized modification, or operation outside of the environmental specifications for the product or damages that occur in shipping due to improper repackaging of equipment for return to Crosstex. Crosstex specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

## Use of line cleaners having a pH less than 6 or greater than 8 will void these warranties.

Crosstex recommends the use of Crosstex SANI Vac® Evacuation System Cleaner, but other evacuation line cleaners with a pH between 6 and 8 can also be used. The remedies provided herein are the buyer's sole and exclusive remedies. Crosstex shall not be liable for any direct, indirect, incidental or consequential damages, whether based on contract, tort or any other legal theory. No other warranty is expressed or implied.

**Note:** If the Syclone Amalgam Separator is installed remotely from the dental center, a warning signal alarm should be installed for monitoring capability.

## Evacuation line cleaner

According to the American Dental Association (ADA) and regulators requiring amalgam separators, oxidizing line cleaners should not be used because they can break down amalgam particles. Cleaners containing bleach (chlorine bleach, sodium hypochlorite) should never be used, as chlorine is known to cause mercury to be released from amalgam.

Regulators have also become aware of pH related to line cleaners. Sewage treatment plants require discharges from their users to be between 5.5 and 10 on a pH scale. Some new amalgam separator regulations now require the use of line cleaners with neutral pH. Acidic (low pH) line cleaners have been known to hinder the operation of amalgam separators. Basic (high pH) cleaners can cause premature wear on materials used in amalgam separators.

The use of SANI Vac Evacuation System Cleaner (Ref #: JVAC) with the Syclone Amalgam Separator system is recommended. Visit [Crosstex.com](http://Crosstex.com) for further details.



## System and replacement parts

Description	Ref. #
Syclone Amalgam Separator system	AMLSYS
Syclone replacement canister and recycle kit	AMLSYRC
SANI Vac evacuation line cleaner	JVAC



Certified to ISO 11143



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