

Cavitron® Ultrasonic Insert

Automated Reprocessing Steps: Ultrasonic Bath

This reference, provided by Dentsply Sirona, is meant as a guide and is not intended as a replacement for following the Instructions for Use or IFU for any products shown. Refer to the Cavitron® ultrasonic inserts IFU for complete insert reprocessing procedures.

Utilizing automated equipment, like an ultrasonic bath will increase the efficiency of the cleaning process for your Cavitron® ultrasonic inserts and reduce risks of handling contaminated instruments. It's important to not only follow the Cavitron® inserts IFU, but also the manufacturer's IFU for the ultrasonic bath and the instrument cleaning solution being used.



1

Set up the ultrasonic bath by preparing a pH neutral enzymatic instrument cleaning solution, following the manufacturer's concentration rates.



Dentsply Sirona recommends using Resurge® Instrument Cleaning Solution because it is pH neutral and has been tested with Cavitron® inserts.



2

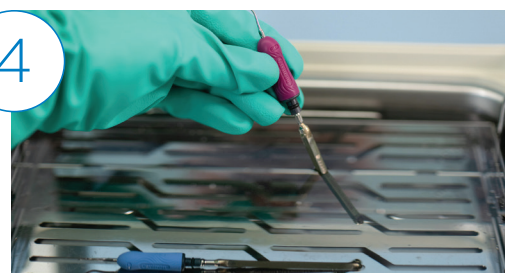
When placing Cavitron® inserts into an ultrasonic bath, best practice would be to use an instrument cassette to reduce your risk of exposure and potential damage to the inserts.



3

IF USING CASSETTES:

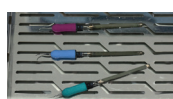
place them into the ultrasonic bath.



4

IF CASSETTES ARE NOT USED:

place the Cavitron® inserts in the basket separate from all other instruments to protect them from potential damage.



Ensure the Cavitron® inserts stay completely immersed in the pH neutral cleaning solution.



Cavitron® ultrasonic inserts may be cleaned in the ultrasonic bath for up to **15 minutes**. Always adhere to the minimum contact time of the pH neutral enzymatic cleaning solution being used.

15
MINUTES



If using Resurge® Instrument Cleaning Solution, the minimum contact time is **2 minutes**.

2
MINUTES



Removing all cleaning solution from the Cavitron® inserts prior to drying is an important step. To accomplish this, simply rinse the inserts under potable running water for at least **30 seconds**.

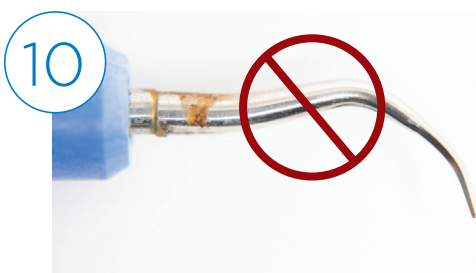
30
SECONDS




This is a great time to inspect your inserts for any remaining visible debris, wear, or damage.

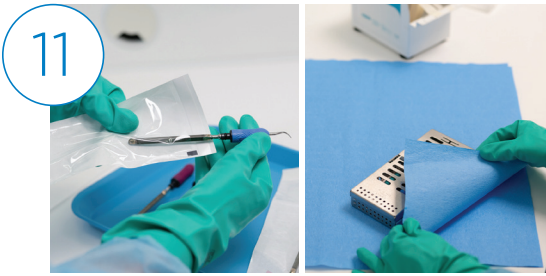


If debris is still visible, repeat the cleaning procedure that is noted in the Cavitron® insert IFU.

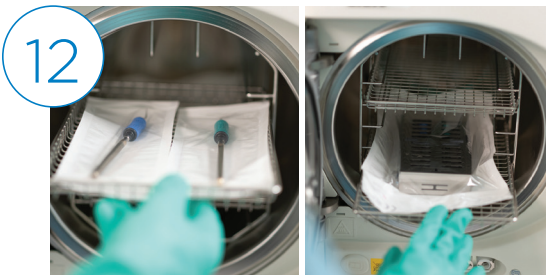


Once the inserts are cleaned, they must be thoroughly dried prior to packaging.

 If Cavitron inserts are packaged and placed in a sterilizer before they are completely dry, staining, corrosion or even clogging of the insert may occur.



Now that the inserts are **thoroughly dry**, place the inserts into an appropriately sized paper/plastic sterilization pouch or utilize a sterilization wrap for the cassettes.



Your Cavitron® ultrasonic inserts are now ready for sterilization! Make sure to read and follow Dentsply Sirona's IFU for the appropriate sterilizers, time, and temperatures that can be used with your inserts (see chart 1).

Always follow the manufacturer's IFU for the sterilizer being used. Follow the sterilizer's recommendation for proper placement of the sterilization pouches: paper side up or paper side down.

CHART 1

Steam Sterilization Cycles

*Dynamic Air Removal
Gravity Displacement

Sterilizing Temperature

270 °F / 132 ° C
270 °F / 132 ° C

Sterilizing Cycle Time

3 Minutes
10 Minutes

* The steam sterilization parameters specified are for Dynamic Air Removal steam sterilizers (pre-vacuum and steam flush pressure pulse).



Allow the dry cycle to finish before removing the Cavitron® inserts from the sterilizer.



If the insert packaging is still wet, when removing them from the sterilizer, allow it to dry completely before storing.



Cavitron® inserts should remain bagged or wrapped until ready for use and stored in a dry closed or covered cabinet.

If a sterile package becomes compromised, repeat the process to clean, dry, package, and sterilize the inserts again.