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# Preventive Maintenance Guideline

## Sediment Bowl

TG-PM-0006

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### PURPOSE

The suction canister has a sediment bowl that collects large particles at the bottom of the canister. This guideline provides preventive maintenance steps for sediment bowls located in the suction canister of delivery systems manufactured prior to October 2015. The sediment bowl should be checked and emptied every 3 months. Current delivery unit designs no longer require sediment bowl maintenance. To upgrade a system manufactured prior to October 2015, please use Bottom Drain Sediment Bowl Upgrade Kit (PN 95-0339) and follow instructions in Technical Guideline TG-95-0339, "Installing a Bottom Drain Sediment Bowl Upgrade Kit."

### WARNINGS



**WARNING!** Only qualified personnel should service or repair this device. This device should only be serviced/repaired by a qualified service technician who is proficient in the repair of electromechanical dental equipment and who understands the complexities and risks of working within the device and observes proper safety precautions.



**WARNING – Compressed Air.** The compressed air system that operates this unit is under pressure. Compressed air can propel dust or loose particles and can cause bodily injury or damage. Always turn the system off and bleed off air pressure before attaching or removing air lines or accessories or servicing this unit. All air lines should be periodically inspected and replaced if worn or damaged. If an outside compressed air supply is used to power this unit, the air supply must be regulated to 80 psi or below. Excessive air pressure could cause certain components to rupture.



**WARNING – Electrical Voltage.** This system is powered by high voltage electricity. Like any other electrically powered device, if it is not used properly, it can cause electrical shock. Always plug the power cord into an electrical outlet with adequate fuse protection and proper grounding. In the event of a short circuit, grounding reduces the risk of shock by providing an escape wire for the electric current. Improper grounding of the unit can result in a risk of electric shock. Always unplug the unit before doing any service or repair to the unit.



**WARNING – Presence of Heavy Metals/Amalgam.** This cart may be equipped with optional suction instruments. As part of dental procedures, particles of amalgam may be suctioned into the dental suction handpieces and collected within the system and trap filter.



**WARNING – Infectious Materials.** Infectious disease workplace safety protocols to safeguard against cross contamination of infectious disease should always be observed. When maintaining the suction system or emptying the contents of the suction waste container, safe precautions and practices including the wearing of face mask, eye protection and gloves are to be followed.

### MAINTENANCE INSTRUCTIONS

The Suction Canister has a Sediment Bowl that collects large particles at the bottom of the canister. The Sediment Bowl should be checked and emptied every three (3) months.

**IMPORTANT:** If the Sediment Bowl is not emptied, the particles will block the internal pick-up tubing, causing failure in purging the unit. This can slow a practice's operation, requiring several steps in clearing the block or requiring manual draining.



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1. Turn off the main power to the unit.
2. Open the back door using a flat head screwdriver.
3. Unseat the wire tubing from the vacuum brass tee using a flat head screwdriver.
4. Undo the Velcro strap securing the sediment bowl.
5. Using the handles on the sediment bowl, turn to remove from the suction canister and set aside.  
**CAUTION:** There may be waste or water in the bowl.
6. Dispose of the collected particles according to your hazardous waste protocol.
7. Apply a liberal amount of silicone dielectric compound to the O-ring of the sediment bowl, about the size of a quarter.
8. Re-secure the sediment bowl to the suction canister, reattach the Velcro strap, and reseat the wire tubing, (reference steps 2 through 5).
9. Close the back door and restore power to the unit. Verify correct installation by testing suction for proper function.