

PURPOSE

This technical guideline provides step-by-step instructions to install the in-line purge pump filter replacement. For self-contained delivery system units sold after 9/18/2020 (SN 200934). Units sold between 10/7/2019 and 9/17/2020 (SN191008 – SN200933) may easily retrofitted with the In-Line Purge Pump Filter by purchasing the purge pump filter (PN 95-0400).

i *The replacement screen should be replaced, at a minimum, quarterly.*

- 95-0400, In-Line Purge Pump Filter Assembly
- OR-
- 95-0423, Replacement Screen Filter (Qty of 4)

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PARTS INCLUDED

- In-Line Purge Pump Filter Assembly (1)
- OR-
- Replacement Screen Filters (4)

TOOLS REQUIRED

- 1/4" nut driver
- Flat head screwdriver

IMPORTANT!

Before commencing on the following instructions, please read and follow all applicable warnings/cautions listed at the end of this technical guideline.

INSTRUCTIONS

1. Turn off power and unplug the unit.

2. Open the back panel of the unit using a flat head screwdriver. There are two quick-turn screws on the back of the unit. Move the suction tube and the electrical cord out of the way of the back door. (Fig. 1)

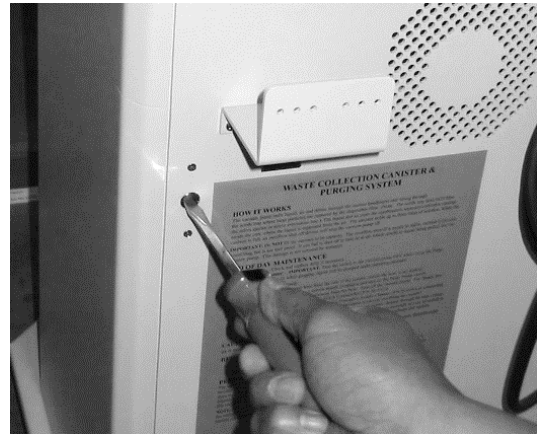


Fig. 1

3. To gain access to the purge tubing assembly, first remove the steel-reinforced vacuum pump tubing by unscrewing the tubing clamp and pulling the tubing from the brass fitting. (Fig 2)

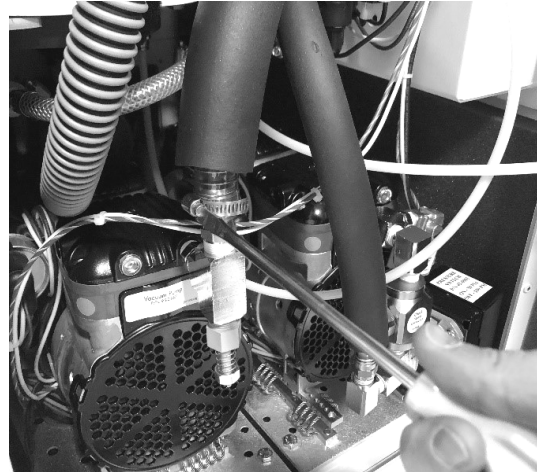


Fig. 2

4. Before removing the entire tubing assembly from the unit, it may be necessary to manually drain any waste from the suction canister.

Locate the quick connect fitting where the tubing attaches to the purge pump. Using a flat head screwdriver, press on the quick connect fitting, then pull the tubing away from the fitting to remove the tubing assembly. (Fig. 3)

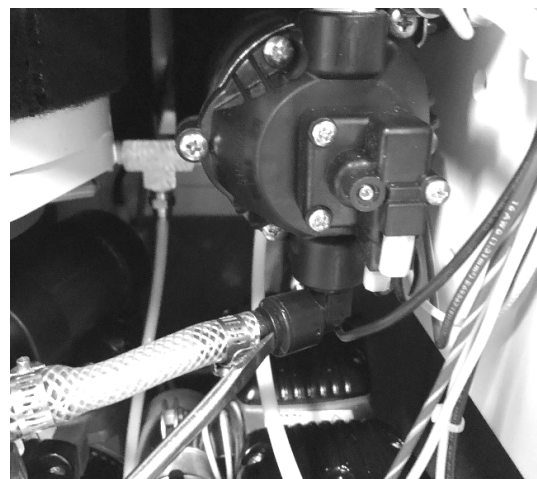


Fig. 3

5. Rotate the tubing toward the outside of the unit. With a basin located below the filter assembly, unscrew the bowl that houses the filter. Let the waste drain from the suction canister completely. (Fig 4)

i If only replacing the filter screen, skip Step 6.

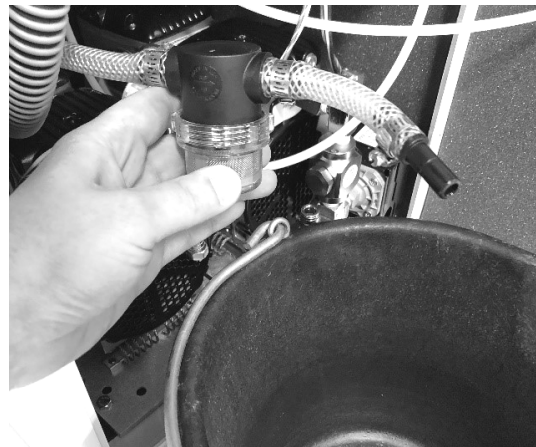


Fig. 4

6. Locate the quick connect fitting where the purge tubing meets the sediment bowl. Using a flat head screwdriver, press on the quick connect fitting, then pull the tubing away from the fitting to completely remove the tubing assembly from the unit. (Fig. 5)



Fig. 5

7. If replacing the filter screen, unscrew the bowl that houses the filter screen. Remove the old filter and discard. Replace the filter screen by placing in the bowl assembly, then re-tighten the bowl assembly to the in-line filter. (Fig. 6).



Fig. 6

8. To reinstall the tubing assembly, make sure the arrow on the bowl/filter assembly is facing toward the purge pump. Press each end of the tubing into the quick connect fittings on the sediment bowl and purge pump until a click is heard. Adjust the tubing assembly so there is a slight "S" bend in the tubing. (Fig 7)

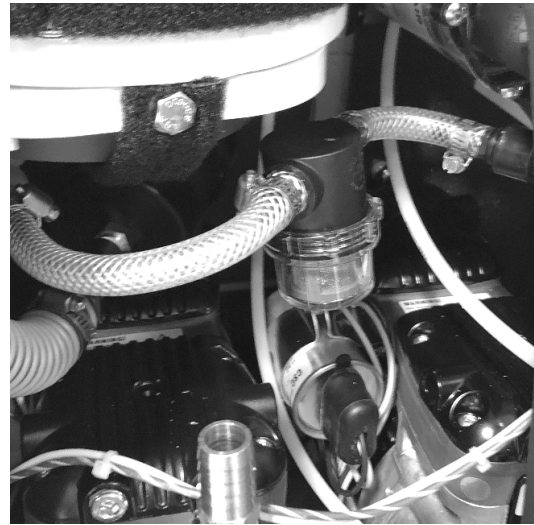


Fig. 7

9. Reattach the steel-reinforced vacuum tubing to the brass fitting that was removed in step 3.

WARNINGS/CAUTIONS

In addition to observing the normal precautions associated with standard dental practices and procedures, the following additional precautions should be strictly noted and observed during the set-up, operation, and maintenance of this system.



⚠ WARNING

QUALIFIED PERSONNEL ONLY

The product should only be operated by qualified personnel only. The operator bears responsibility for the correct settings and proper use of the system. ASI Dental (ASI) cannot be held liable for any malfunction of this product, or performance failure and/or its designed or desired utility, nor can ASI be held liable for injuries to persons or animals, in any case when the device is misused or not operated, applied or maintained in strict accordance with user/owner instructions set out in the operation manual. In the event of any doubt or question, the user is to contact ASI for clarification or assistance.

Improperly maintained or operated systems or instruments may void the associated warranties.



⚠ 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 system 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.