



# ASI

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## Technical Guideline

### Replacing Air-Driven Purge Pump

TG-95-0170

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**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 – 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.

#### PARTS INCLUDED

- Pump, Air-driven Waste Purge

#### TOOLS REQUIRED

- 5/16" nut driver or wrench
- Flat head screwdriver

#### INSTRUCTIONS

1. Turn off main power and unplug unit from power outlet.
2. Run Air/Water Syringe to relieve compressed air in the system.
3. If purge pump is installed on the front wall of the unit body, unscrew the bottom of the air tank to allow access to the front wall and purge pump. Otherwise, the purge pump will be located on the back door panel.
4. Loosen the hex nuts that hold the purge pump to the unit wall using a 5/16" nut driver or wrench. Remove the pump from the unit wall studs.



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5. Remove the purge pump >IN= tube that connects to the suction canister from the nipple fitting by loosening the pipe clamp fitting with a screwdriver or nut driver. Place the tubing onto the new purge pump and ensure it is on the nipple labeled "IN".
6. Remove the purge pump >OUT= tube that connects to the external purge hose in the same way and place on the new pump and ensure it is placed on the nipple labeled "OUT".
7. Remove the compressed air line from the old purge pump and place onto the black nipple labeled "GAS IN".  
**IMPORTANT:** Do NOT connect the compressed air line to the BLUE nipple labeled "GAS OUT" as this will damage the pump and will void any replacement warranty.
8. Restore power to the unit and test for proper function by completing a purging cycle.