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# AEU-350 / AEU-350S

## Ultra-Portable Dental System

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*\*Shown with optional equipment*

**OPERATION AND  
MAINTENANCE MANUAL**



**! SAFETY PRECAUTIONS**

*Aseptico accepts no liability for direct or consequential injury or damage resulting from improper use, arising in particular through the non-observance of the operating instructions, or improper preparation and maintenance of this product.*

To prevent injury to people and damage to property, please heed relevant warnings and remarks. They are marked as follows:

- **WARNING:** Serious injury or death may result if ignored.
- **CAUTION:** Damage to property or the environment may result if ignored.
- **NOTE:** Important additional information and hints.

- ▲ **WARNING:** For use by qualified and trained personnel only.
- ▲ **WARNING:** The Systems are supplied Non-Sterile. To avoid the risk of bacterial or viral infections, clean, disinfect, and sterilize specified components as recommended in the Maintenance and Sterilization section of this manual, before first use, after repair, and before each patient use thereafter.
- ▲ **CAUTION:** Always examine unit components for damage before commencing treatment. Damaged components must not be used and must be replaced.
- ▲ **WARNING:** Use for intended purposes only. Failure to observe the operating instructions may result in the patient or user suffering serious injury or the product being damaged, possibly beyond repair. Before using this product, make sure that you have studied and understood the operating instructions.
- ▲ **WARNING:** Do not install where there is a risk of an explosion. The system is not intended for operation in the presence of flammable anesthetics or gases.
- ▲ **WARNING:** Always operate a high-speed handpiece with water coolant. Operating a high-speed handpiece without water coolant can cause thermal injury to the patient.
- ▲ **CAUTION:** The lens for the electric motor LED is soft and can be damaged. If the lens needs to be cleaned, use a lint-free swab and isopropyl alcohol - do not use other solvents as they might adversely react with the LED assembly.
- ▲ **WARNING:** Do not use this device for dental implant procedures.
- ▲ **CAUTION:** Do not run saline solutions through the water system—saline will corrode the plumbing.
- ▲ **WARNING:** Ultrasonic scaler instrument tips oscillate at high frequency and can fracture during operation. To help prevent the tips from fracturing and possibly injuring the patient, always follow the scaler manufacturer’s operating instructions and recommended ultrasonic power settings.

- ▲ **WARNING:** Do not use an ultrasonic scaler dry. If used dry, the Instrument tip will heat immediately. This may cause thermal injury to the tooth. Ensure that adequate liquid coolant is always available.
- ▲ **CAUTION:** Never use an ultrasonic scaler on metal or porcelain restorations. The high frequency ultrasonic oscillations may loosen the restoration.



**ELECTROMAGNETIC COMPATIBILITY**

This equipment meets all requirements for safety and performance, related to Electromagnetic Compatibility Standard IEC 60601-1-2:2014.

- ▲ **NOTE:** The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as re-locating or re-orienting the equipment.
- ▲ **WARNING:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- ▲ **WARNING:** Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- ▲ **WARNING:** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Unit, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- ▲ **CAUTION:** This device was tested to the parameters for Electromagnetic Emission and Immunity as stated in IEC 60601-1-2:2007 and is within those parameter limits. These requirements provide reasonable protection against harmful electromagnetic interference in a typical medical installation. However, high levels of radio-frequency emissions from electrical devices, such as cellular phones, may disrupt the performance of this device. To mitigate disruptive electromagnetic interference, position this device away from radio frequency transmitters and other sources of electromagnetic energy.

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Information concerning the accuracy and precision of this product may be obtained upon request by contacting Aseptico at the address shown on this page.



P.O. Box 1548, Woodinville, WA 98072  
 8333 216th Street S.E., Woodinville, WA 98072  
 Phone (425) 487-3157 • Toll Free (800) 426-5913  
 Web: [www.aseptico.com](http://www.aseptico.com)  
 Email: [info@aseptico.com](mailto:info@aseptico.com)

***Congratulations!***

Your new Aseptico® GO AEU-350/AEU-350S system is the finest ultra-portable electric dental system available to the dental profession. The AEU-350S includes an ultrasonic scaler with irrigation, and the AEU-350 includes an auxiliary water port.

Features include:

- Powerful brushless motor with fiber optics for use with 1:1 (40,000 RPM max) and 1:5 handpieces (200,000 RPM max)
- Large, easy-to-read touch screen display
- Complies with international carry-on luggage size restrictions
- Weighs only 34 lb (15.5 kg)
- Compact operation mode provides quick setup; operation ready within 5 minutes. Expanded operation mode provides easy access to instruments from a standing position.
- Self-contained water system with 500ml water bottle capacity
- 750ml waste container capacity. Optical waste level sensor with auto-shutoff.
- Exhaust air filter reduces airborne particulates
- Universal AC power input, allows worldwide operation (100-240V / 50-60Hz)
- 24V DC power input, provides battery-powered operation
- Air / water syringe with exceptional airflow
- High- and low-volume suction lines can be used simultaneously
- On / off footswitch operation
- ETL compliant
- Designed and made in the USA

This system is engineered to provide many years of reliable service. Please read the instructions provided in this manual to ensure the optimum service from your Aseptico equipment.

Separate manuals may be provided to cover the operation and maintenance of handpieces or other accessories for your unit.

**INTENDED USE**

The AEU-350 / AEU-350S is a portable self-contained dental system used for general dentistry applications.

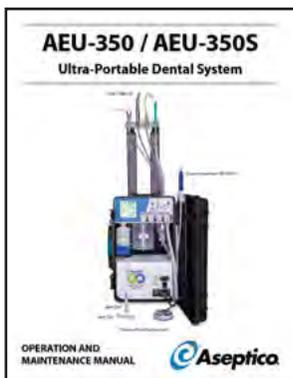
**RX: FEDERAL LAW RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A DENTIST**

**PACKAGE CONTENTS**

AEU-350 Unit (P/N 120426)



Operation and Maintenance Manual (P/N 421222)



Hose Storage Pouch (P/N 410225)



Micro-motor (P/N AE-242SC-40)



Footswitch (P/N AE-7PM)



Power Cord (P/N 840041)



Power Cord Pouch (P/N 410222)



Syringe (P/N TA-90D)  
(permanently attached to unit)



Syringe Tip (P/N TA-1)



HVE (High-Volume Ejector) Valve and Hose Assembly (P/N AA-350-HVE)



Saliva Ejector (Low-Volume) Valve and Hose Assembly (P/N AA-350-SAL)



**PACKAGE CONTENTS**

- Waste Collection Tank (P/N 330811)



- Water Supply Bottle (P/N AA-350-BOT)



- Air Filter (P/N AA-350-FIL)



- 4-Instrument Holder (P/N AA-350-HLD4)



- 4-Instrument Holder Pouch (P/N 410222)



- Scaler Holder (P/N AA-350-HLD1)  
(AEU-350S only)



- Scaler (P/N 730xxx)  
(AEU-350S only, permanently attached)



- 3 Scaler Tips (AEU-350S only)  
Thin Subgingival (P/N ASC-10-PE37)  
Slim Universal (P/N ASC-10-PE38)  
Power Universal (P/N ASC-10-PE39)



**SOLD SEPARATELY**

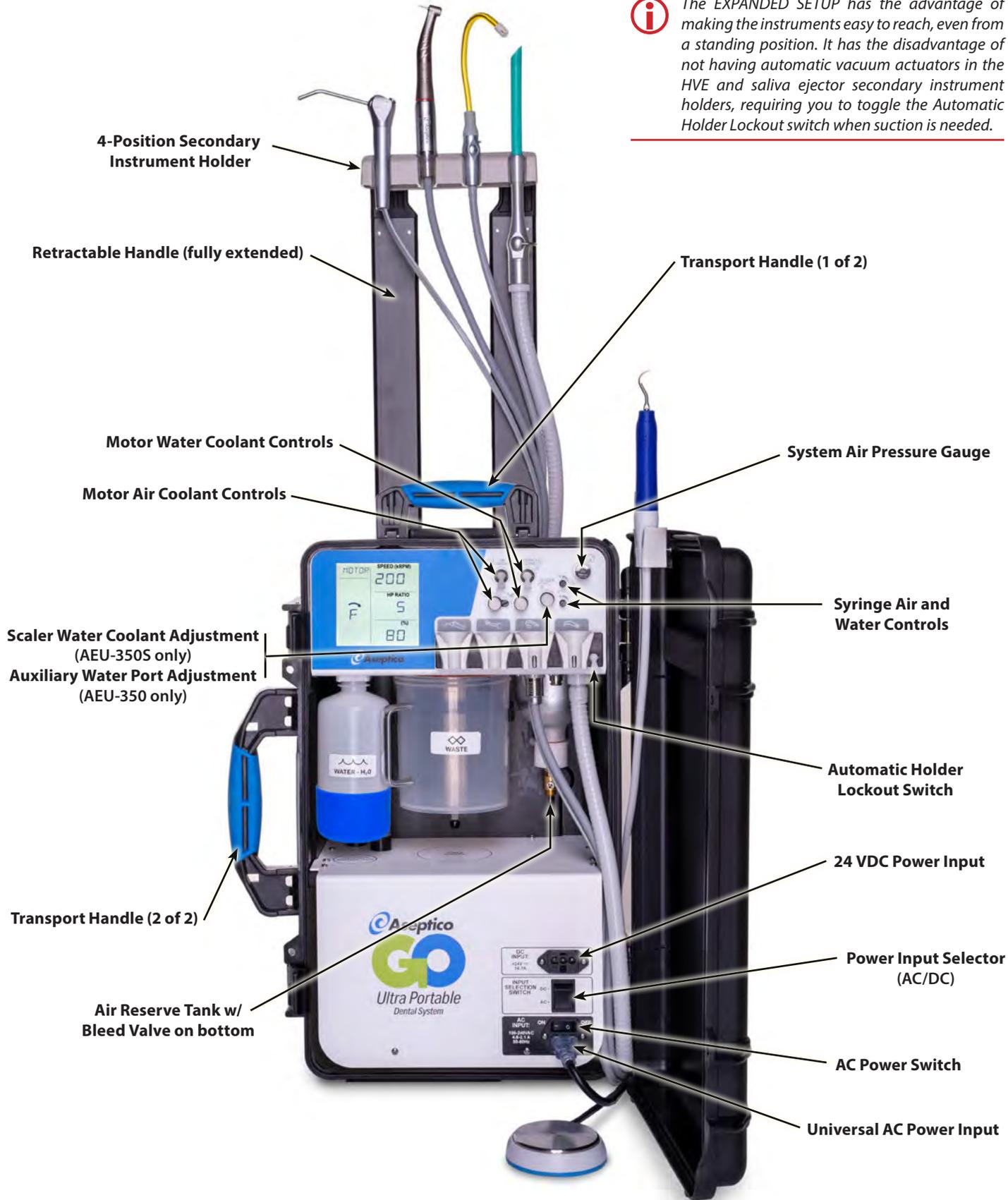
- 24 VDC Battery Power Cord  
(P/N AA-350-BATCAB)  
(Optional equipment)



**NOTE:** Powering the unit from a 24 VDC battery is optional and will provide limited operation time depending on battery type and capacity. A high-performance 8 AH battery can provide up to 2 hours of active use. A general-purpose 16 AH battery can provide up to 4 hours of active use. The higher the AH (Amp Hour) rating, the longer the operation possible.

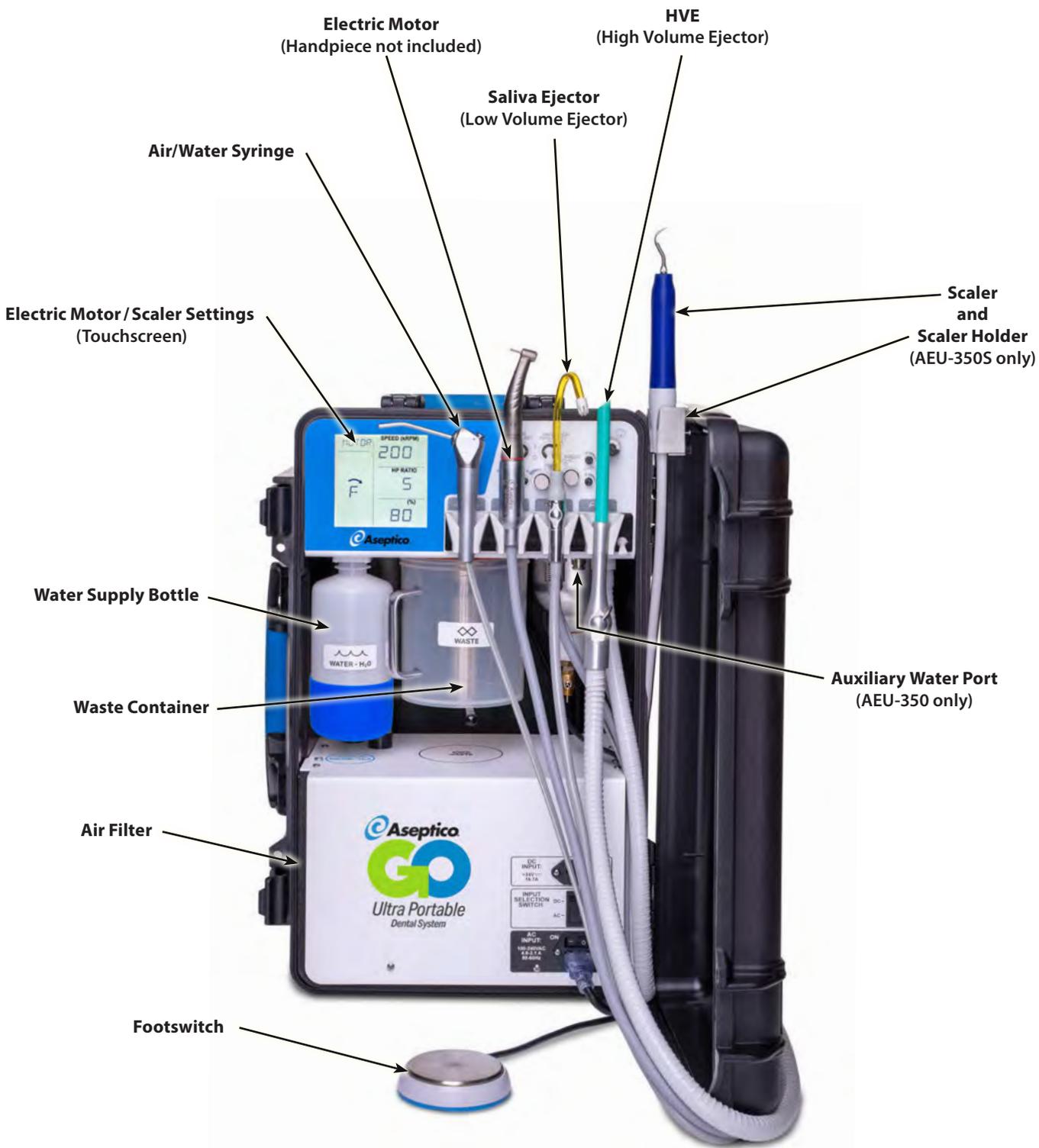
**i** The EXPANDED SETUP has the advantage of making the instruments easy to reach, even from a standing position. It has the disadvantage of not having automatic vacuum actuators in the HVE and saliva ejector secondary instrument holders, requiring you to toggle the Automatic Holder Lockout switch when suction is needed.

**EXPANDED SETUP**



# AEU-350 / AEU-350S

**i** The COMPACT SETUP has the advantages of a quicker setup and automatically actuated HVE and saliva ejector instrument holders.



**COMPACT SETUP**

## SYSTEM SETUP

The items identified in the Maintenance and Sterilization section (page 14) must be sterilized before each use.

1. Lay the unit on its back. Release the latches **A** and open the case to remove the components stored inside. Confirm that all of the components shown in *Package Contents* (page 4) are present.

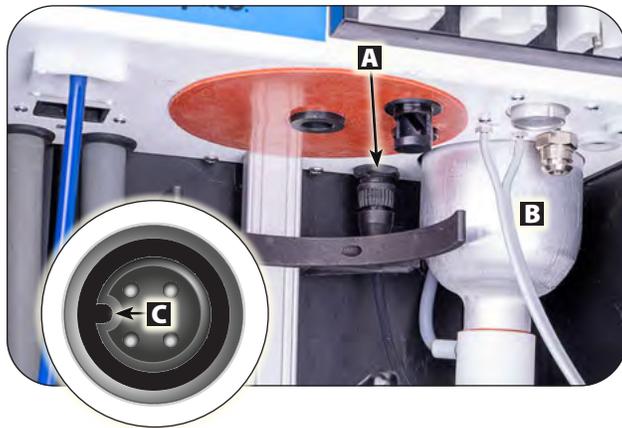


2. Position the unit so that you can see the bottom side of the bulkhead. Note that the syringe lines **A** are permanently connected to the bulkhead. The AEU-350 features an auxiliary water port **B**, and the AEU-350S features a scaler which is permanently attached at this location **B**.



3. Connect the footswitch plug **A** to its socket on the bulkhead, behind the air tank **B**.

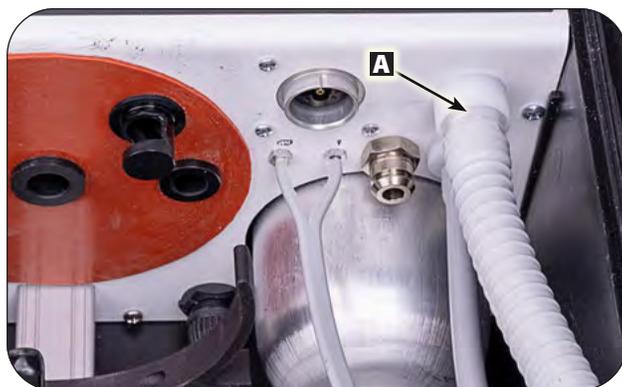
**i** The footswitch plug has a notch **C** and can only be inserted into the socket in one orientation. Hold the plug against the socket and rotate it until you feel the plug enter the socket, then turn the locking sleeve clockwise until it clicks, securing the connection.



4. Connect the saliva ejector line **A** simply by pressing the connector straight into the socket.

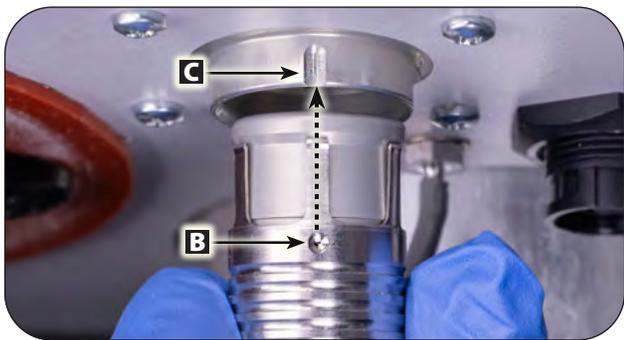


5. Connect the HVE line **A** simply by pressing the connector straight into the socket.

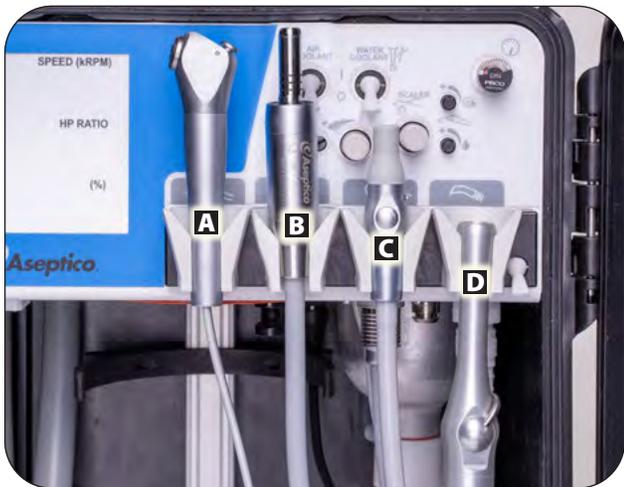


6. Plug the electric motor cord **A** into its socket in the bulkhead.

**i** The plug can only be inserted into the socket in one orientation. The dimple **B** on the plug must line up with the groove **C** on the socket while inserting.



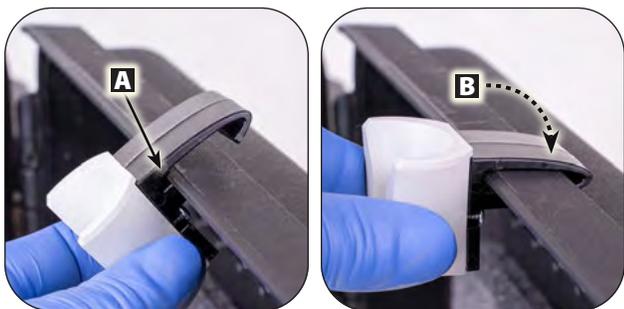
7. Place the syringe **A**, motor **B**, saliva ejector **C**, and HVE **D**, into their instrument holders.



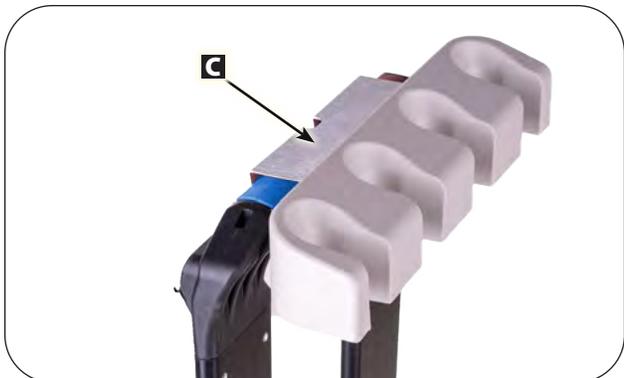
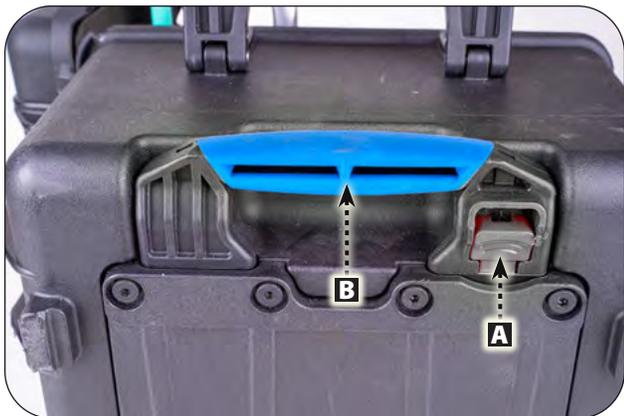
8. Lift up the unit to the vertical position with the door open. Place the footswitch **A** where it is convenient to operate.



9. **AEU-350S only:** Place the front lip **A** of the scaler holder on the edge of the door then rotate until the back lip **B** locks into place. Install a tip into the scaler handpiece **C**, then place the scaler handpiece into the scaler holder.



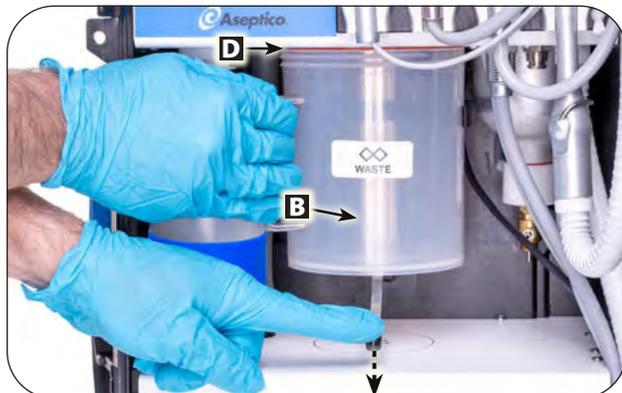
10. **Optional Expanded Setup:** Release the lock **A** on the retractable handle then fully extend the handle **B** until it locks in the extended position. Clip the 4-position instrument holder **C** onto the handle. Move the 4 instruments to the upper holder.



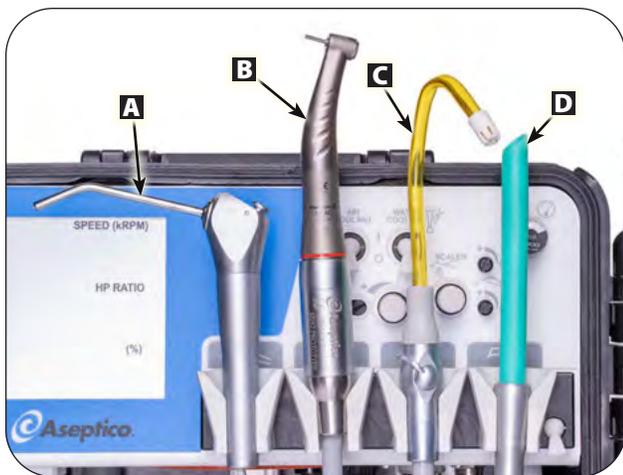
11. Fill the water bottle **A** with water (never saline). Insert the uptake tube **B** into the bottle, then screw the bottle **C** into the fitting on the bulkhead.



12. While pressing down on the spring-loaded lever **A**, insert the waste container **B** into the waste container bracket **C**. After releasing the lever, make sure the waste tank is centered and sitting flush on the orange gasket **D** to prevent leaks.



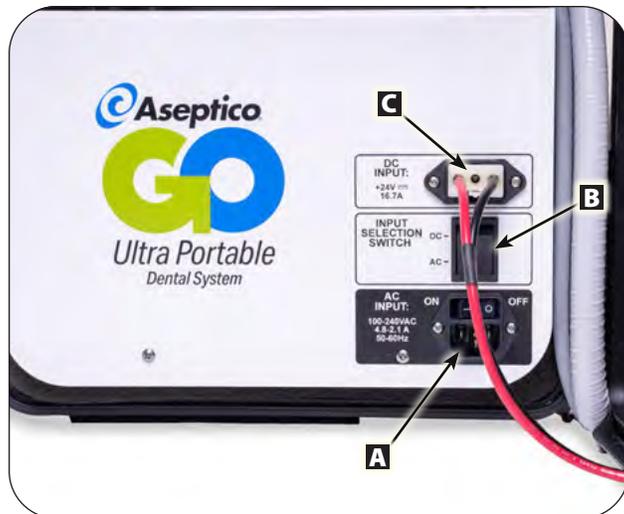
13. Insert the syringe tip **A** into the syringe, a 1:1 or 1:5 handpiece **B** onto the micromotor, and disposable tips onto the saliva ejector **C** and HVE ejector **D**.



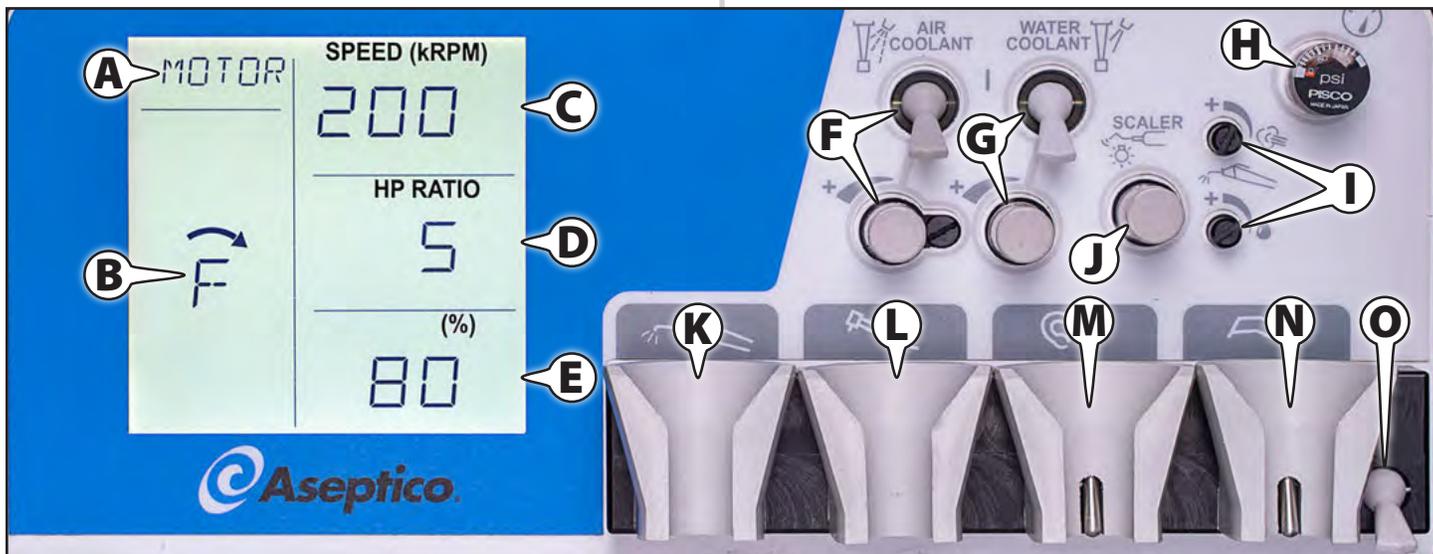
14. Set the input selection switch **A** to the AC position and the AC power switch **B** to the off (0) position. Plug the AC power cord into the AC input **C** and plug the other end of the power cord into a grounded AC outlet. Set the AC power switch to the on (1) position to turn on the unit.



15. **Optional 24VDC Operation:** Unplug the AC power cord **A** and set the input selection switch **B** to the AC (**not** DC) position. Plug the DC power cord into the DC input **C** then connect the DC power cord's red clip to the positive (+) pole and the black clip to the negative (-) pole of a 24V battery. The input selection switch functions as the DC power switch when using the DC input. Set the input selection switch to the DC position to turn on the unit and to the AC position to turn off the unit.



**CONTROL PANEL**



**Touch Screen**

**A MOTOR / SCALER MODE** — The AEU-350 has only one mode, motor mode; the AEU-350S has both motor and scaler modes available. The mode displayed here (either motor or scaler) indicates the functions of the touch screen and operational mode of the footswitch **Q** (page 13).

- **AEU-350:** The touch screen displays only motor mode. Pressing this segment of the screen does nothing.
- **AEU-350S:** Press this segment of the screen to alternate between motor and scaler modes.

**B MOTOR DIRECTION / MOTOR LIGHT** —

- **MOTOR MODE:** Press this segment of the screen to alternate between forward (F) and reverse (R) motor directions. Press and hold this screen segment to turn the motor light on/off. An asterisk after the motor direction indicator (e.g. F\* or R\*) indicates when the motor light is switched on. When switched on, the motor light will illuminate when the footswitch is pressed; the light will stay on for an additional 20 seconds after the footswitch is released.

- **SCALER MODE:** This screen segment is not used.

**C SPEED** —

- **MOTOR MODE:** Press this segment of the screen to open the motor speed adjustment screen, then press the ▲ and ▼ buttons to adjust the speed setting in the following ranges, according to the ratio setting:

RATIO SETTING	SPEED RANGE	SPEED DISPLAYED
1:5	25,000–200,000	25–200
1:1	5,000–40,000	5–40

- **SCALER MODE:** This screen segment is not used.

Press anywhere on the right side of the screen to exit from the setting adjustment screen.

**D HANDPIECE RATIO** — Press this segment of the screen to alternate between 1:5 and 1:1 handpiece ratios:

RATIO SETTING	NUMBER DISPLAYED
1:5	5
1:1	1

**E TORQUE** —

- **MOTOR MODE:** Press this segment of the screen to open the torque adjustment screen, then press the ▲ and ▼ buttons to adjust the torque setting between 30–100%.
- **SCALER MODE:** Press this segment of the screen to open the scaler intensity adjustment screen, then press the ▲ and ▼ buttons to adjust the scaler intensity setting between 5–100%.

Press anywhere on the right side of the screen to exit from the setting adjustment screen.

**Air / Water Controls**

**F AIR COOLANT** — Toggle this switch to turn air coolant on/off to the motor. Rotate the knob counter-clockwise to increase air coolant flow to the motor and clockwise to decrease flow.

**i** *Air coolant only flows when 3 things happen together: 1. The footswitch is depressed, 2. The air coolant switch is in the on position (up), 3. The air coolant knob is NOT in the fully-clockwise (closed) position.*

**G WATER COOLANT** — Toggle this switch to turn water coolant on/off to the motor. Rotate the knob counter-clockwise to increase water coolant flow to the motor and clockwise to decrease flow.

**i** *Water coolant only flows when 3 things happen together: 1. The footswitch is depressed, 2. The water coolant switch is in the on position (up), 3. The water coolant knob is NOT in the fully-clockwise (closed) position.*

- H AIR PRESSURE GAUGE** — This gauge indicates the system air pressure level and should read 70–80 PSI.
- I SYRINGE AIR/WATER** — The upper valve controls air flow and the lower valve controls water flow to the syringe. Use a small flathead screwdriver to adjust. Rotate counter-clockwise to increase flow and clockwise to decrease flow.
- J SCALER COOLANT (AEU-350S ONLY) AUXILIARY COOLANT (AEU-350 ONLY)** — This knob controls water coolant to the scaler or auxiliary water port, depending on the model of your unit. Rotate counter-clockwise to increase flow and clockwise to decrease flow.

**WARNING:** Water coolant must create a mist at the scaler tip to prevent overheating and injury to the patient.

- K SYRINGE HOLDER** — The syringe can be placed here when not in use.
- L MOTOR HOLDER** — The motor can be placed here when not in use.
- M AUTOMATIC SALIVA EJECTOR HOLDER** — The saliva ejector can be placed here when not in use. Integrated into this holder is a switch that automatically turns on the vacuum when the instrument is removed from the holder.

The automatic holder lockout **Q** must be in the up position to enable the automatic vacuum switch.

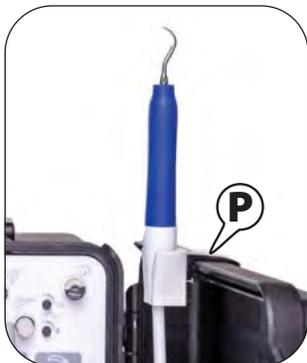
- N AUTOMATIC HVE HOLDER** — The high volume ejector can be placed here when not in use. Integrated into this holder is a switch that automatically turns on the vacuum when the instrument is removed from the holder.

The automatic holder lockout **Q** must be in the up position to enable the automatic vacuum switch.

- O AUTOMATIC HOLDER LOCKOUT** — Set this switch to the up position to enable the automatic switches in the saliva ejector **M** and HVE ejector **N** holders. Set in the down position to disable the automatic switches and turn off the vacuum.

When using the 4-position secondary instrument holder for the saliva and HVE ejectors (see Expanded Setup, page 6), use the automatic holder lockout as the vacuum on/off switch.

- P SCALER HOLDER (AEU-350S ONLY)** — The scaler can be placed here when not in use.



## OPERATION

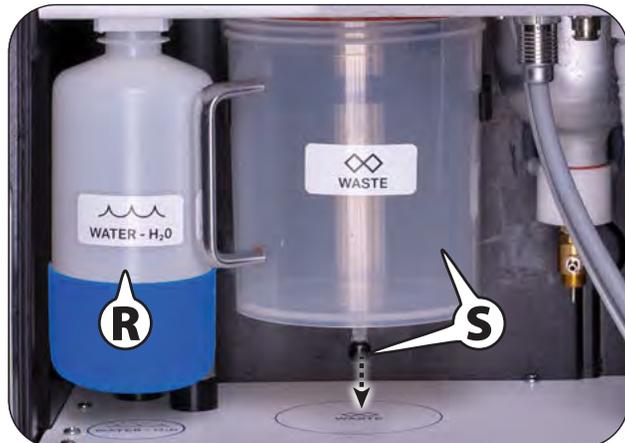
### Footswitch



- Q MOTOR/SCALER ON/OFF** — Select the desired mode from the touch screen motor/scaler mode segment **A**.

- **MOTOR MODE:** Press the footswitch to activate the motor with air and water coolant at the current settings on the control panel.
- **SCALER MODE:** Press the footswitch to activate the scaler with scaler water coolant at the current settings on the control panel.

### Water and Waste Containers



- R WATER BOTTLE** — When empty, switch the unit off before removing the water bottle to refill with sterile or distilled water.

Do not use saline in the unit. Saline will corrode the system plumbing and void the warranty.

- S WASTE CONTAINER** — The waste container bracket features a blue LED optical sensor that will automatically shut off the system vacuum when the waste container reaches capacity. A blue light flashing from behind the waste container also indicates the container is full. To empty, switch off the vacuum using the automatic holder lockout **Q**, then hold down the spring-loaded lever below the waste container to remove it from the unit.

## MAINTENANCE AND STERILIZATION

Failure to adhere to the following instructions or blatant misuse of the device and/or related components will be considered abuse of the device and will void the warranty.

 Call Aseptico at 1-800-426-5913 with any questions on sterilization procedures.

### Purging Water from System

If the unit will not be used for an extended period or exposed to freezing temperatures, purge the system of all water. Simply empty the water bottle and install back into place. Operate the air/water syringe and handpiece with water coolant switched on until only air comes through the water lines. Saliva and HVE suction lines and the waste container should also be empty of all liquid.

### Water Lines

Disinfect the water lines weekly. Start by purging water from the system as described in the section above. Prepare a 1:10 bleach solution (1 part household bleach to 9 parts water). Run the bleach solution through all water lines. Allow bleach solution to stand in lines for 10 minutes. Remove water bottle and discard bleach solution. Flush water bottle and all lines thoroughly with clean water. Purge all water from system and leave lines dry until next use.

### Waste System and Ejector Valves

After each patient, vacuum .3 liter of clean water through either of the ejector lines (saliva or HVE) then empty the waste container. Repeat for the remaining ejector line. Vacuum .3 liter of a 1:10 bleach solution through either of the ejector lines (saliva or HVE) then empty the waste container. Repeat for the remaining ejector line. Vacuum .3 liter of clean water through either of the ejector lines (saliva or HVE) then empty the waste container. Repeat for the remaining ejector line. Purge the lines of liquid. Rinse the waste container with clean water. The saliva and HVE ejector valves are autoclavable using any one of the [STERILIZATION METHODS](#) listed on page 15. The ejector hoses are not autoclavable.

 **CAUTION:** Use only non-foaming cleansers in the vacuum lines. Foam can get sucked into the vacuum pump causing permanent damage and voiding the warranty.

### Air Tank Condensation

Drain water condensation from the air tank daily by pressing up on the valve **A** on the bottom of the air tank. Place a towel over the air tank drain opening **B** to capture the water as it drains.



## Handpieces

Follow the instructions provided with the handpiece for cleaning, maintenance and sterilization instructions.

## Motor & Cord Assembly

 **CAUTION:** The motor is sensitive to shock. Do not drop or impact the motor against a hard surface.

**WARNING:** Do not oil or lubricate the motor.

**CAUTION:** Do not allow oil from the handpiece to drain into the motor. After lubricating and before sterilizing the handpiece, stand it on a paper towel to allow excess oil to drain out of the handpiece.



**WARNING:** Do not attach a handpiece to the motor while the motor is running.

**WARNING:** Do not bend the motor cord sharply.

**WARNING:** Do not attempt to disassemble the motor or motor connector.

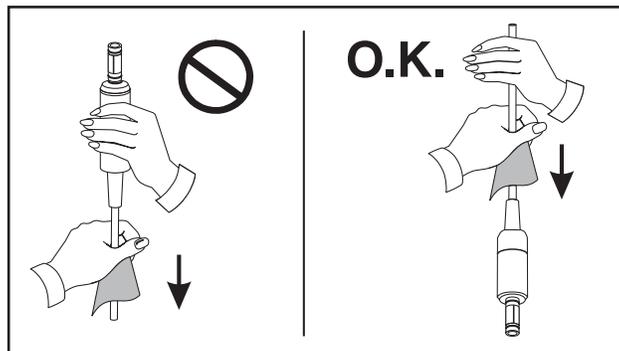
**WARNING:** Use of sterilization methods or temperatures other than what are prescribed in [STERILIZATION METHODS](#) on page 15 may damage components or present a risk of cross-contamination between patients.

**CAUTION:** Do not soak or submerge the motor in any liquid.

**CAUTION:** Do not use ultrasonic cleaners.

**CAUTION:** Do not use cold sterilization or dry heat.

1. Brush off debris from the motor and cord.
2. Thoroughly clean the motor and cord with a moist cloth or towel to remove any remaining signs of debris. Avoid pulling the cord away from the motor. Always wipe towards the motor.



- Loosely coil the motor cord when autoclaving. Avoid sharply bending the cord.



- Sterilize the motor and cord assembly using any one of the STERILIZATION METHODS listed below (page 15).

### Syringe Tips

Syringe tips are autoclavable using any one of the STERILIZATION METHODS listed below (page 15). Wipe off the syringe handpiece and hose using a soft cloth dampened with a disinfectant solution. Do not immerse the syringe handpiece in any liquid nor spray any liquid directly on the handpiece.

### Scaler (AEU-350S ONLY)

The scaler handpiece cover and scaler tips are autoclavable using any one of the STERILIZATION METHODS listed below (page 15). Wipe off the scaler handpiece and hose using a soft cloth dampened with a disinfectant solution. Do not immerse the scaler handpiece in any liquid nor spray any liquid directly on the handpiece.

### Unit and Footswitch

Clean the unit and footswitch by wiping with a soft cloth moistened with a mild detergent or 1:10 bleach solution (1-part bleach to 9-parts water). Use of solvents or other solutions may cause damage and void the warranty.

## STERILIZATION METHODS:

**Wrapped Sterilization** — Place in an appropriately sized sterilization pouch and seal.

**A. Standard autoclaving** (Gravity displacement method)

**Time:** 15 min  
**Temperature:** 132° C (270° F)  
**Dry time:** 30 minutes

**B. Pre-vacuum** (Dynamic air removal method)

**Time:** 4 minutes  
**Temperature:** 132° C (270° F)  
**Dry time:** 40 minutes

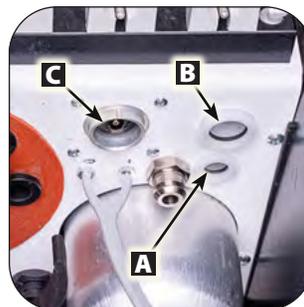
**Flash Sterilization** — For immediate use only.

**C. Unwrapped standard autoclaving** (Gravity displacement method)

**Time:** 10 minutes  
**Temperature:** 132° C (270° F)  
**Dry time:** No dry time is required for flash sterilization.

### O-Rings

Periodically apply PTFE lubricant to all o-rings to keep the system operating at peak efficiency. Damaged or worn o-rings can leak and degrade performance; replace as needed. Bulkhead o-rings are located in the fittings for the saliva ejector line **A** the HVE line **B** and the electric motor cord **C** (x3) on the bulkhead. Electric motor o-rings **D** (x3) are located on the motor shaft. Refer to the *Replacement Parts* table on page 18 for o-ring part numbers.

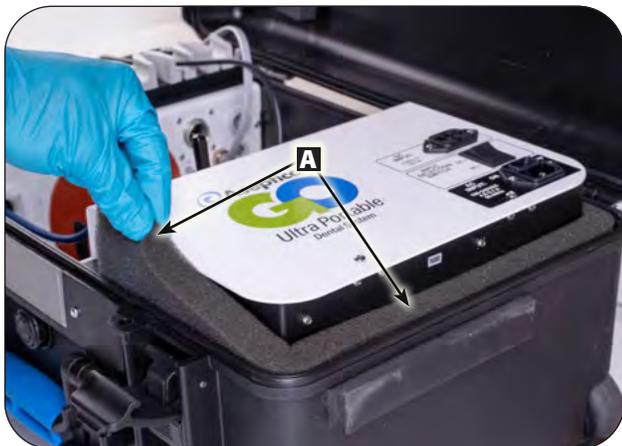


### Electric Motor LED

The LED lens **A** on the motor is soft and can easily be damaged by sharp objects. Dust or debris may cause a significant decrease in optical output. Clean the LED using a lint-free swab and isopropyl alcohol. Do not use other solvents as they may damage the LED lens.



## Air Filter Replacement



Exhaust air from the unit passes through a foam air filter to reduce airborne particulates. It is recommended to replace the air filter annually. The air filter **A** is located in the gap between the lower chassis and the case on three sides. Remove by pulling the foam filter out with your fingers. Install the new filter by pushing it into the gap, ensuring that the filter is flush against all edges.

## REPACKING

1. Remove all water/waste and clean/sterilize the unit as instructed in *Maintenance and Sterilization*, page 14.
2. Unplug the power cord and coil.
3. If used, unclip the detachable 4-position and scaler instrument holders from the case, then retract the handle.
4. Tip the unit on its back. For shorter trips and quicker set up, all instruments can be stowed in their holders, as shown **A**, with hoses and cables remaining connected to the bulkhead. For longer trips and more secure storage, the ejector valves/hoses and motor/cord can be disconnected and stowed in the hose storage pouch, as shown **B**.



*Use caution when closing the case to avoid pinching cords or damaging accessories.*

## TROUBLESHOOTING

### Unit does not power up:

- Check power cord connection.
- Check that AC-DC input selection switch is in correct position.

### Handpiece does not operate:

- Check motor plug connection.
- Verify that motor mode is selected (AEU-350S only).
- Check footswitch connection.
- Press the footswitch.
- Increase the speed setting.
- Increase the torque setting.
- Check that the connector pins in the footswitch plug socket are not bent.
- Check that the rotary tool is properly seated in the handpiece and that the latch/collet is closed.

### No water flow to handpiece:

- Check that the water setting is 10% or above.
- Check that water bottle is securely attached.
- Check that water coolant toggle switch is up.
- Check that water bottle contains water.

### Motor slowing down or sluggish:

- Check for dirty, under-lubricated handpiece.
- Verify that the ratio setting matches the handpiece.
- Check if handpiece lubricant is draining into motor.

### Touch screen error:

- Switch off power, wait 5 seconds, then switch back on to reset.

### Compressor shut down, but vacuum pump running

- In case of overheating the compressor will shut down and the vacuum pump will run at low speed until the unit has cooled sufficiently.

## SYMBOL DESCRIPTIONS

	Consult Instructions For Use
	Caution – Consult Accompanying Documents
	Type B Equipment
	Important information
	Type BF Equipment
	Alternating Current
	Dangerous Voltage
	Dispose Of Properly
	Footswitch
	Manufacturer
<b>IPX1</b>	Ingress of Water - Classification-Footswitch
	Protective Earth (Ground)
	Temperature Limitation
	Atmospheric Pressure Limitation
	Humidity Limitation
	Sterilize at 132°C (270°F)
	Authorized European Representative
	Serial Number
	Part Number
	ON-OFF Switch
	Air
	Water
	Counterclockwise Increase / Clockwise Decrease
	Electric Motor Handpiece
	Electric Motor/Handpiece Air Coolant
	Electric Motor/Handpiece Water Coolant
	Pressure Gauge
	HVE (High Volume Ejector)
	Saliva Ejector
	Air/Water Syringe
	Scaler Coolant

## WARRANTY

Aseptico Inc. warrants this product against defects in material or workmanship for a period of two (2) years, from date of original invoice. Some handpieces are warranted for one year under the same conditions. Other handpieces and expendable components, such as air turbines and light bulbs, are covered by shorter warranty periods, or have no warranty. Aseptico's sole obligation under product warranty is (at its sole option and discretion) to repair or replace any defective component or product in part or whole. Aseptico Inc. shall be the sole arbiter of such action.

In the event of alleged defect under warranty, the purchaser is to notify Aseptico's Customer Service Department promptly. Customer Service will provide instructions, usually directing that the product be returned for service. Shipment to Aseptico and the cost thereof is always the responsibility of the purchaser.

Accidental misuse, inappropriate installation, or failure to perform directed maintenance voids the warranty. Deliberately defacing, modifying, or removing the serial number voids the warranty.

Aseptico Inc. does not assume, under this warranty, any risks or liabilities arising from the clinical use of its products, whether or not such use involves coincidental utilization of products manufactured by others.

## REPLACEMENT PARTS

ITEM	PART NUMBER
Electric Motor Receptacle o-ring kit	AA240SC
Electric Motor o-rings (x3)	520069
Saliva Ejector Receptacle o-ring	520130
Saliva Ejector Valve o-ring kit	AA-37LR
HVE Receptacle o-ring	520048
HVE Valve o-ring kit	AA-35LR
Water Bottle gasket	520135
3-way Syringe o-ring kit	TA-66
Air Filter	AA-350-FIL
Water Bottle Flex Boot, blue	730812

## SPECIFICATIONS

**CASE DIMENSIONS:** 34.6 cm W x 23.6 cm D x 54.9 cm H (13.6" x 9.3" x 21.6")

**UNIT WEIGHT:** 34 lb (15.5 kg)

**POWER RATING:** 100-240VAC, 50-60Hz (4.8-2.1A) –OR– +24VDC (16.7A)

**MICRO-MOTOR DUTY CYCLE:** 17% (1 minute ON / 5 minutes OFF)

**WATER RESERVOIR CAPACITY:** 0.5 l (16.9 fl. oz.)

**WASTE CONTAINER CAPACITY:** 0.75 l (25 fl. oz.)

**NOISE LEVEL:** 72 dBA @ 3'4" (1 meter)

### ENVIRONMENTAL CONDITIONS:

**Operating Temperature:** 10°C to 28°C (50°F to 82.4°F)

**Transport/Storage Temperature:** –20°C to 60°C (–4°F to 140°F)

**Relative Humidity:** 10% to 95% non-condensing

**Altitude:** 0 to 3,000 meters (0 to 9,842 feet)

### Classifications:

- Class 1 Equipment
- Type BF Applied Parts
- Ordinary Equipment - degree of protection against ingress of water
- Not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide.
- IPX1 - Footswitch

ETL CLASSIFIED



Intertek  
3176038

UL Standard for Safety for Medical Electrical Equipment, Part 1: General Requirements for Safety, UL 60601-1





*Ultra Portable  
Dental System*



P.O. Box 1548, Woodinville, WA 98072  
8333 216th Street S.E., Woodinville, WA 98072  
Phone (425) 487-3157 • Toll Free (800) 426-5913  
Web: [www.aseptico.com](http://www.aseptico.com)  
Email: [info@aseptico.com](mailto:info@aseptico.com)