AEU-350/-W & AEU-350S/-W

Ultra-Portable Dental System



*Shown with optional equipment

OPERATION AND MAINTENANCE MANUAL

Aseptico®

⚠ 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**: 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: A plastic dental barrier sheath made for the 3-way syringe must be used on syringes that have not been autoclaved to prevent cross contamination between patients.

WARNING: For use by qualified and trained personnel only.

WARNING: A scaler tip that is bent, altered, scratched or worn more than 2mm will lose performance and must be exchanged. Prolonged use may cause tip breakage and injury to the patient.

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.

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

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

WARNING: Do not bend the motor cord sharply.

WARNING: Do not leave water bottle full and attached.

WARNING: Do not oil or lubricate the motor.

WARNING: Do not use the ultrasonic scaler dry. If used dry, the Instrument tip will heat immediately and this may cause thermal injury to the tooth. Ensure proper coolant flow before using the scaler on a patient and adequate liquid coolant is always available.

WARNING: Do not use the ultrasonic scaler on metal or porcelain restorations. The high frequency ultrasonic oscillations may loosen the restoration.

WARNING: Do not use this device for dental implant procedures.

WARNING: Inspect the system components for damage or material degradation before each use. If system components do not operate as expected at startup, replace or send for repair. Do not use the device if it appears damaged or defective.

WARNING: Keep the patient's lips, cheeks, and tongue out of the way of the scaler tip to avoid potential burns.

WARNING: New scaler tips, scaler handpiece covers, and torque wrenches are not sterile upon delivery. Sterilize before use and between each use according to the STERILIZATION section of this manual.

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.

WARNING: Ultrasonic scaler instrument tips oscillate at high frequency and can fracture during operation if not used correctly or with too much power or force. To help prevent the tips from frac¬turing and possibly injuring the patient, use the minimum ultrasonic power setting needed and apply the minimum amount of force needed to achieve the desired performance.

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: Use of sterilization methods or temperatures other than those listed in the STERILIZATION section may damage components or present a risk of cross-contamination between patients.

WARNING: Do not remove the DC Lock Out cover during AC operation, and do not switch the AD/DC selector switch while plugged in and operating on AC power.

CAUTION: Carefully stow the cords and hoses when closing the case for transit, to avoid pinching or damaging the accessories.

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.

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

CAUTION: Do not use cold sterilization or dry heat.

CAUTION: Do not use saline solution in the unit. Saline will corrode the system plumbing.

CAUTION: Do not use ultrasonic cleaners.

CAUTION: If you notice any signs of damage or wear to the water supply bottle, replace it immediately.

CAUTION: Operation is possible without the Vacuum Line Filter, but it is recommended to keep in place to prevent waste aerosols from entering into the lower assembly.

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.

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

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.

CAUTION: When cleaning the motor and cord, avoid pulling the cord away from the motor. Always wipe towards the motor.

NOTE: Report any malfunction or deterioration in the characteristics and/or performance of this device, as well as any inadequacy in its labelling or the instructions for use which might lead to or might have led to the death of a patient or user or to a serious deterioration in their state of health (e.g. Serious Adverse Event) immediately to the manufacturer and the regulatory authority where the incident occurred.

ELECTROMAGNETIC COMPATIBILITY

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

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 60601-1-2:2014 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.

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 relocating or re-orienting the equipment.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CANADA COMPLIANCE STATEMENT

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

EU DECLARATION OF CONFORMITY

Hereby, Aseptico, Inc. declares that the radio equipment type AE-7PMW is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.aseptico.com

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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.

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 32 lb (14.5 kg), 34 lb (15.5 kg) for AEU-350S version
- 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
- Large 1000ml waste container. Optical waste level sensor with auto-shutoff at 650ml.
- 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
- Wireless On/Off Foot Control with Receiver (AEU-350-W and AEU-350S-W only)
- Optional Ultrasonic Scaler equipped with scaler LED handpiece and scaler handpiece cover
- 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.

INTENDED PURPOSE & INTENDED USERS

Intended Purpose:

Intended Use	The AEU-350 / AEU-350S is a portable self-contained dental system used for general dentistry applications. The optional scaler is designed for removal of tartar or calculus on teeth and other dental work where ultrasonic vibration is beneficial.
Indications for Use	For treatment of patients with dental caries (tooth decay), including prophylaxis (preventive dentistry).
Contraindications	Patients with cardiac pacemakers or a defibrillator. The functionality of these devices may be affected by the high frequencies of the ultrasonic oscillators. (AEU-350S only).

Intended Users:

The AEU-350 and AEU-350S are prescription devices that are used by healthcare professionals in the field of dentistry.

The optional scaler should only be used by licensed dental professionals trained in the proper use of scaling devices. Do not use for applications where it is not intended.

Intended Patient Population:

There are no restrictions on age group, sex, weight range, health, or other conditions on the patient population.

EXPECTED SERVICE LIFE

Seven years

ESSENTIAL PERFORMANCE

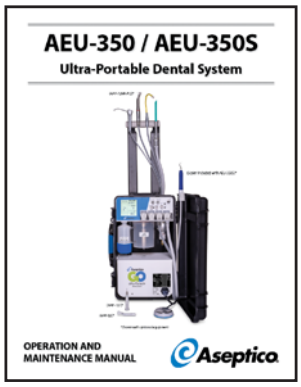
This device does not have ESSENTIAL PERFORMANCE as defined in IEC 60601-1.

PACKAGE CONTENTS

❑ **AEU-350/S Unit** (P/N 120426 or 120443)



❑ **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) *(AEU-350, AEU-350S only)*



❑ **AE-7PMWWireless On/Off Foot Control with Receiver AA-7R-4** *(AEU-350-W and AEU-350S-W only)*



❑ **Power Cord** (P/N 840107)



❑ **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)



❑ **Waste Collection Tank** (P/N 330811)



❑ **Waste Bottle & Lid ONLY** (P/N 730327)



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



❑ **Vacuum Line Filter (x2)** (P/N AA-350-VLF)



PACKAGE CONTENTS

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



❑ **Air Filter** (P/N AA-350-FIL)



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



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



❑ **DC Lockout Cover** (P/N 462773)



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



❑ **Scaler Handpiece Assembly** (P/N 710658)
(AEU-350S only, replaceable)

❑ **Scaler Cable Assembly** (P/N 710659)
(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)



❑ **ERGO SLEEVE ERGOGRIP BASIC SILICONE SLEEVE W/LIGHT** (P/N ASC-10L-ERGOSLV)
(AEU-350S only)



❑ **Scaler Tip Torque Wrench (x3)** (P/N ASC-10-TW)
(AEU-350S only)



SOLD SEPARATELY

❑ **Clip-On Tray** (P/N AA-350-TRAY)



❑ **AE-7PMW-4 Wireless On/Off Foot Control with Receiver AA-7R-4**



❑ **24 VDC Battery Power Cord**
(Optional equipment)

View the DC input socket on your unit to determine which 24 VDC battery power cord to purchase.

This DC input socket,



is compatible with (P/N AA-350-BATCAB):



This DC input socket,

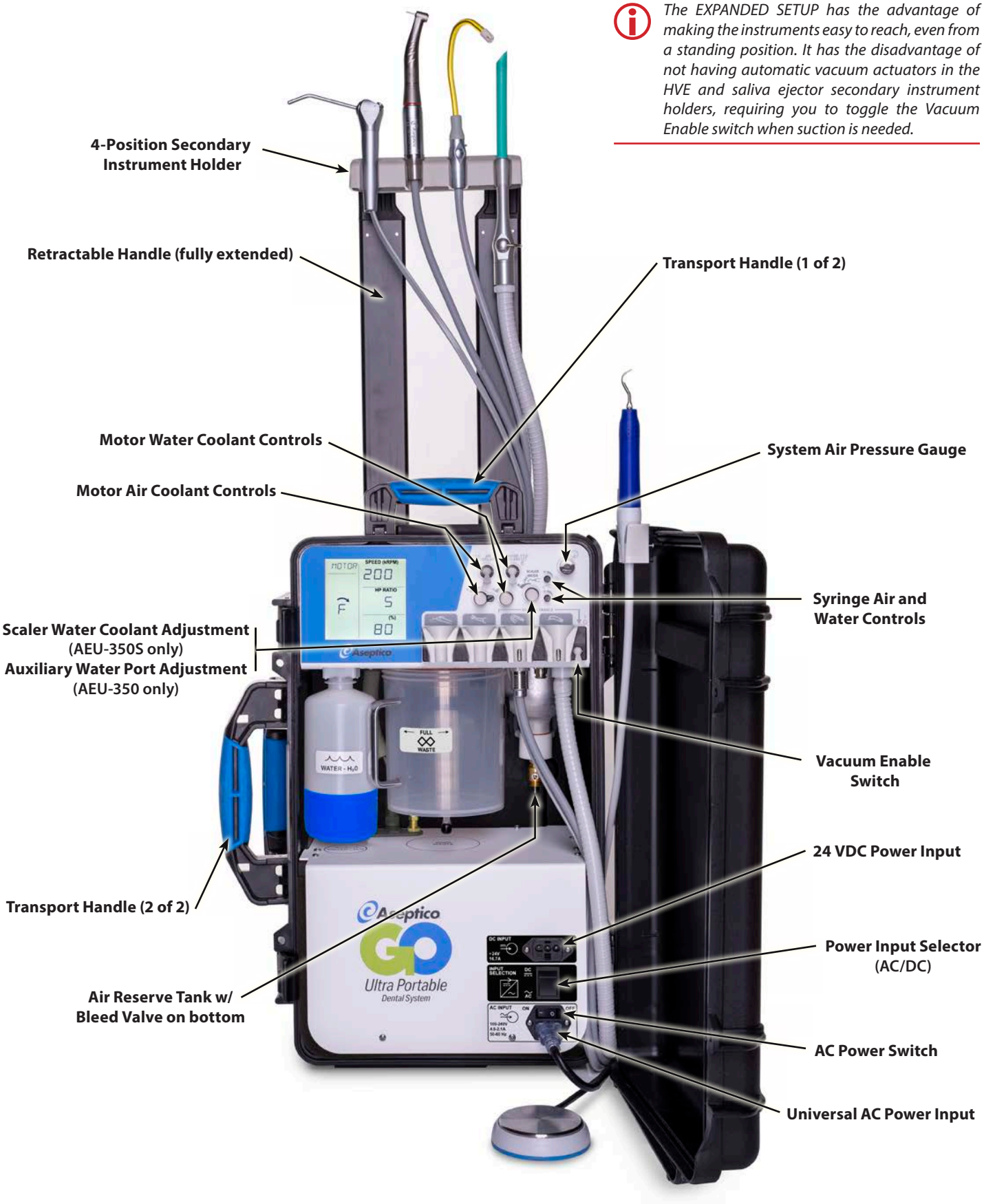


is compatible with (P/N AA-350-BATCAB2):

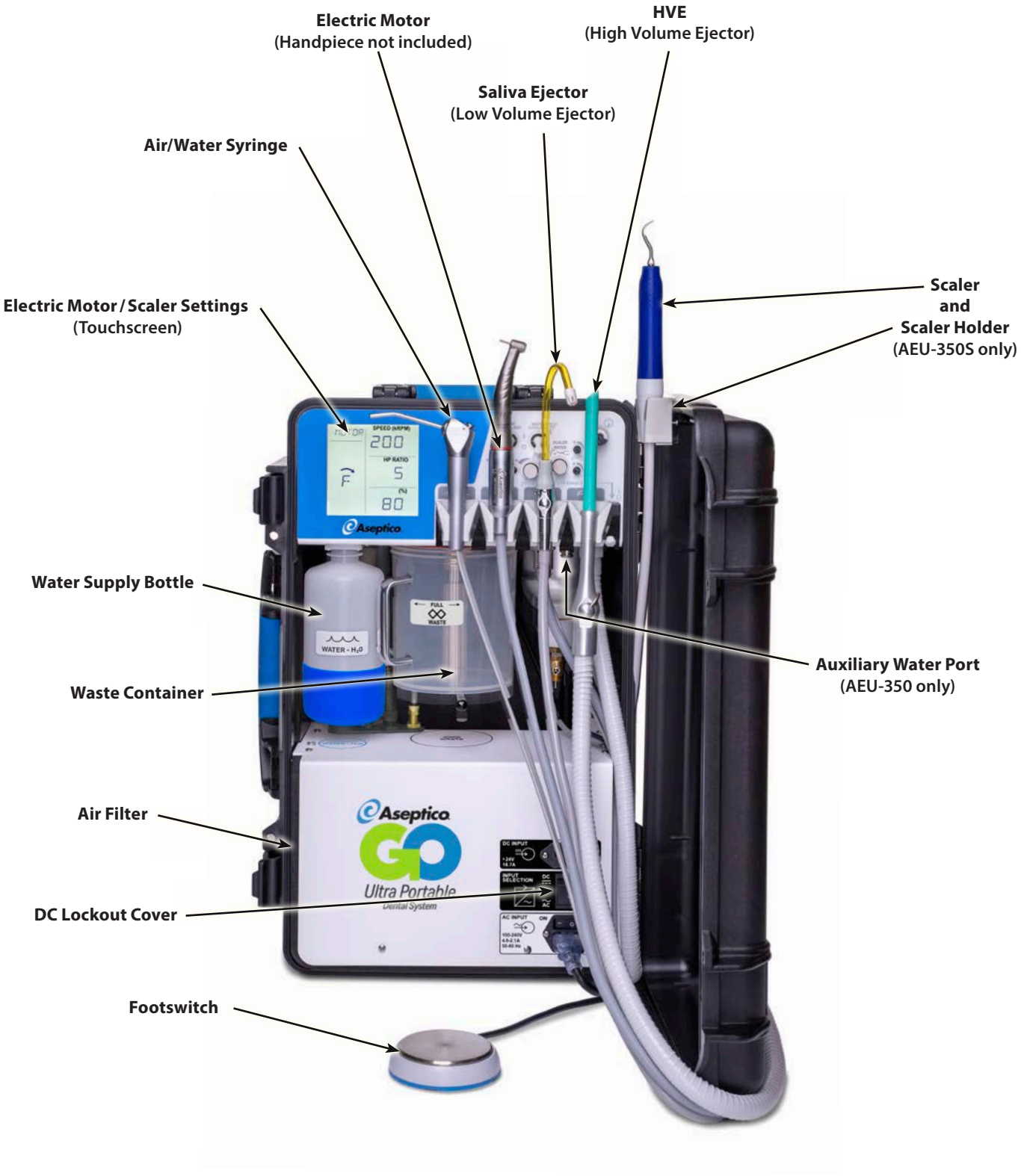


NOTE: *Powering the unit from a 24 VDC battery is optional and will provided limited operation time depending on battery type and capacity. A high-performance 8 AH battery can provide up to 2 hours of active use. A general-purpose 16 AH battery can provide up to 4 hours of active use. The higher the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

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 Vacuum Enable switch when suction is needed.



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



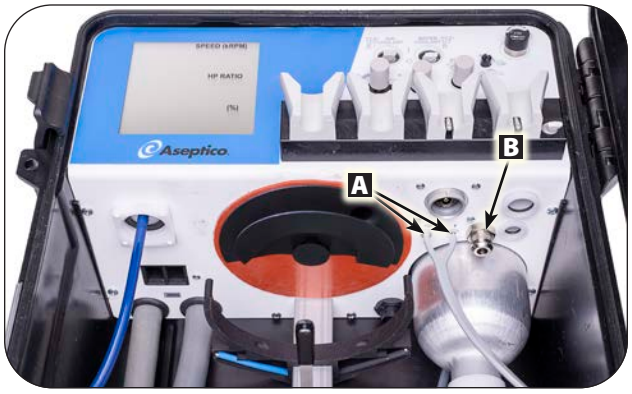
SYSTEM SETUP

The items identified in the Maintenance and Sterilization *section (page 17) 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* are present.



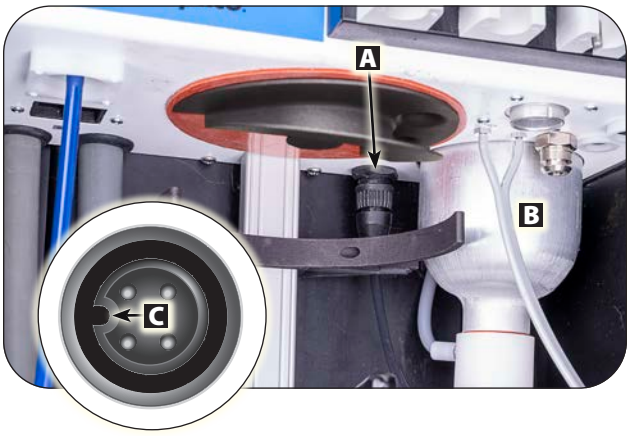
2. Position the unit so that you can see the bottom side of the bulkhead. Note that the syringe lines **A** are permanently connected to the bulkhead. The AEU-350 features an auxiliary water port **B**, and the AEU-350S features a scaler which is permanently attached at this location **B**.

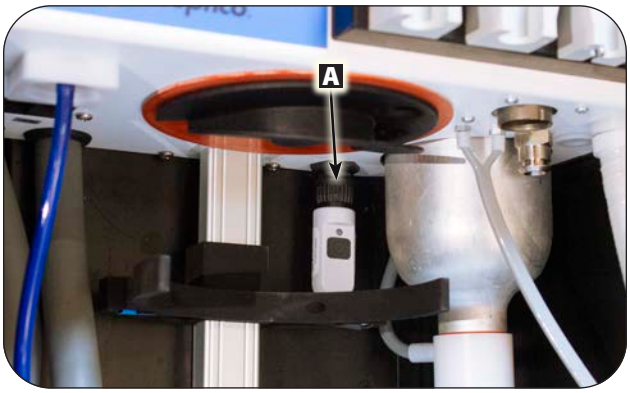


3. Connect the footswitch plug or wireless footswitch receiver **A** to its socket on the bulkhead, behind the air tank **B**.

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.*

If setting up an AE-7PMW wireless foot control for the first time, refer to ***Battery Install / Replacement*** *Instructions in the* ***Maintenance and Sterilization*** *section to install batteries.*

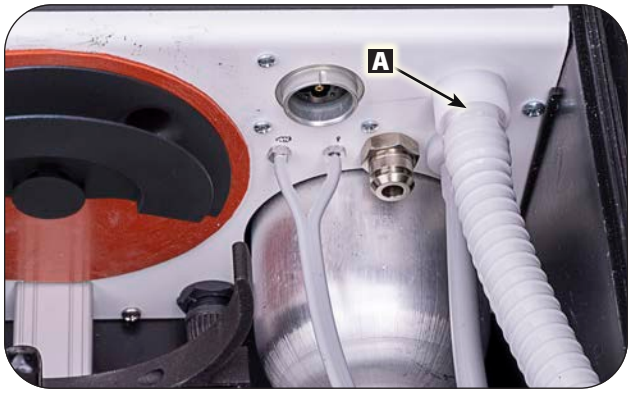




4. Connect the saliva ejector line **A** simply by pressing the connector straight into the socket.

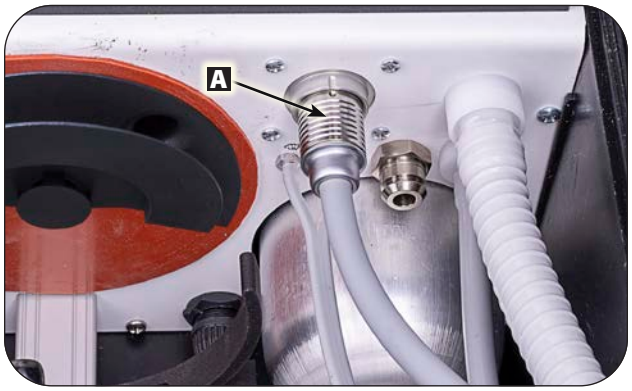


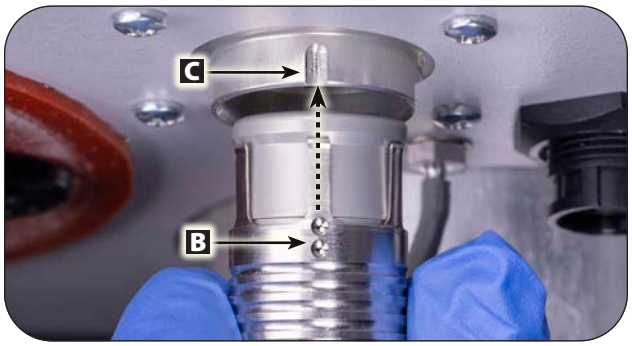
5. Connect the HVE line **A** simply by pressing the connector straight into the socket.



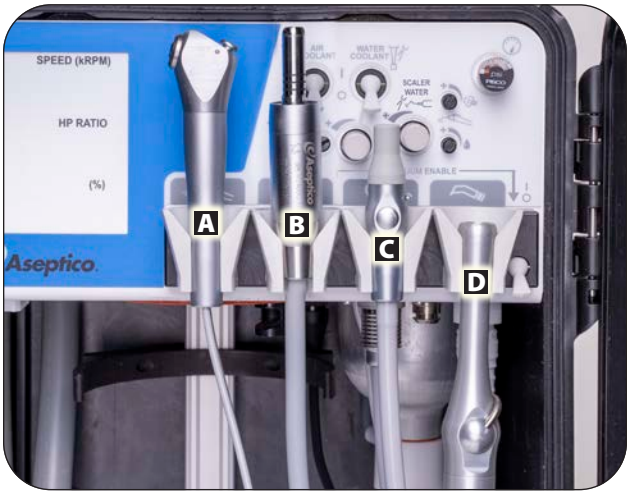
6. Plug the electric motor cord **A** into its socket in the bulkhead.

*The plug can only be inserted into the socket in one orientation. The two circular dimples **B** on the plug must line up with the grooves **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.



SYSTEM SETUP (continued)

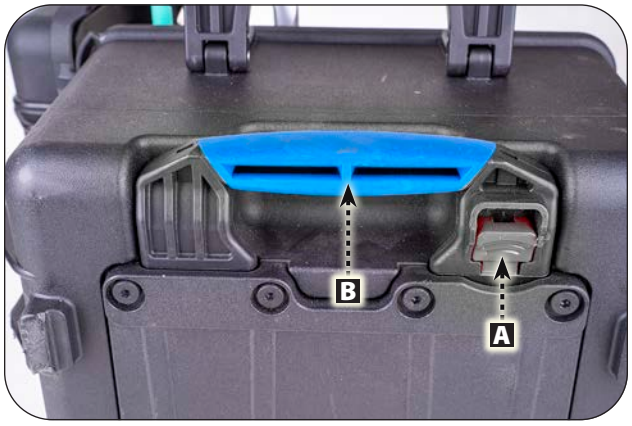
9. **AEU-350S only**: Place the front lip **A** of the scaler holder on the edge of the door then rotate until the back lip **B** locks into place. Install a tip into the scaler handpiece **C**, then place the scaler handpiece into the scaler holder.

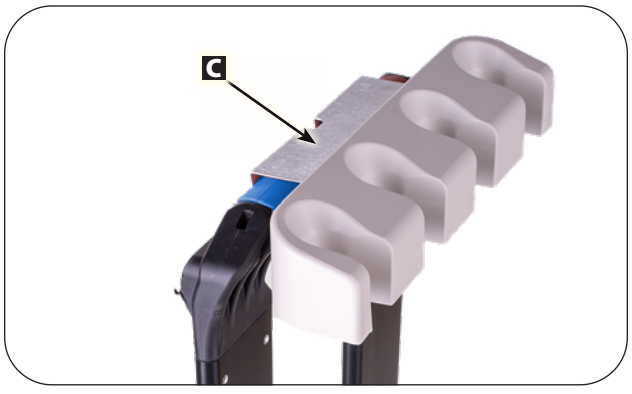






10. **Optional Expanded Setup**: Release the lock **A** on the retractable handle then fully extend the handle **B** until it locks in the extended position. Clip the 4-position instrument holder **C** onto the handle. Move the 4 instruments to the upper holder.



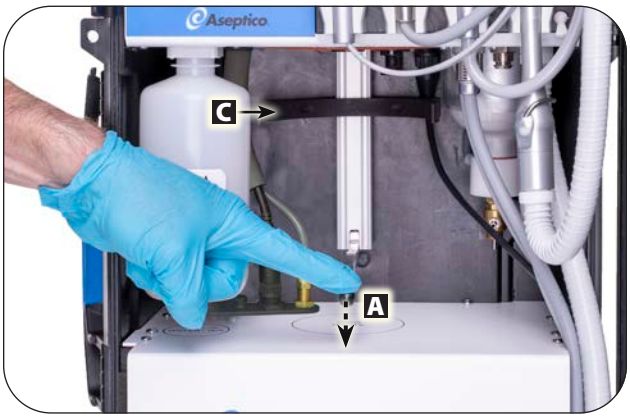


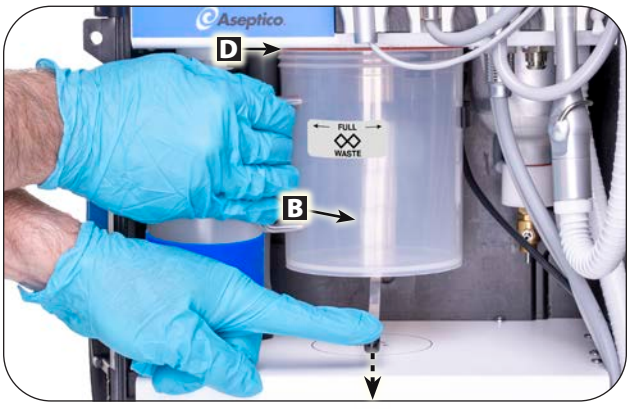
11. Fill the water bottle **A** with water (never saline). Insert the uptake tube **B** into the bottle, then screw the bottle **C** into the fitting on the bulkhead.



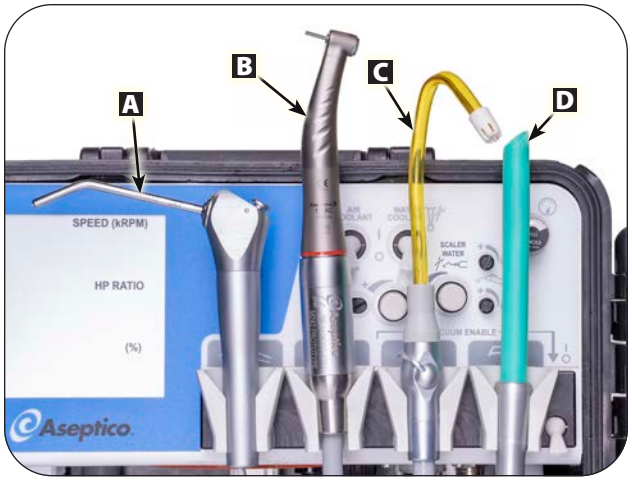


12. While pressing down on the spring-loaded lever **A**, insert the waste container **B** into the waste container bracket **C**. After releasing the lever, make sure the waste tank is centered and sitting flush on the orange gasket **D** to prevent leaks.





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. The unit is shipped with a DC lockout cover **A** to prevent the accidental switching of the input selection switch. If the DC lockout cover has been removed, set the input selection switch **B** to the AC position for AC-input powered operation. Set the AC power switch **C** to the off (0) position. Plug the AC power cord into the AC input **D** 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.

***WARNING**: Do not remove the DC Lock Out cover during AC operation, and do not switch the AD/DC selector switch while plugged in and operating on AC power.*

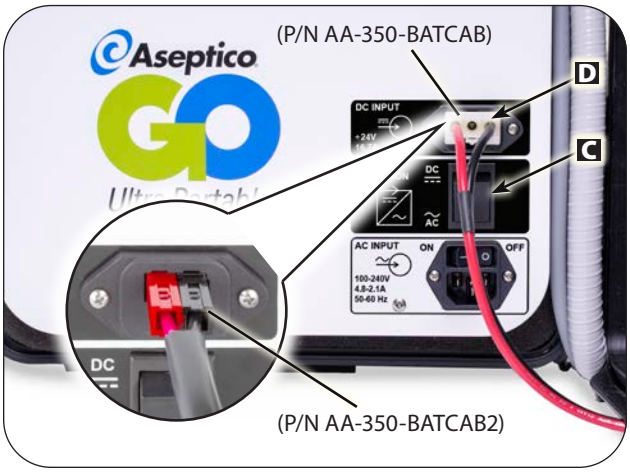




15. **Optional 24VDC Operation**: Unplug the AC Power Cord **A** Remove the DC lockout cover **B** by loosening the center screw until the cover can be pulled away. Set the input selection switch **C** to the AC (**not** DC) position. Plug the DC power cord into the DC input **D** then connect the DC power cord's red clip to the positive (+) pole, and the black clip to the negative (–) pole, of a 24V battery. When using the DC input to power the unit, the input selection switch **C** functions as the power switch: Set the input selection switch to the DC position to turn on the unit, and to the AC position to turn off the unit. Do not use the selection switch **C** when AC is powered on.

See the Sold Separately *section (page 7) to determine which DC power cord is compatible with your unit.*

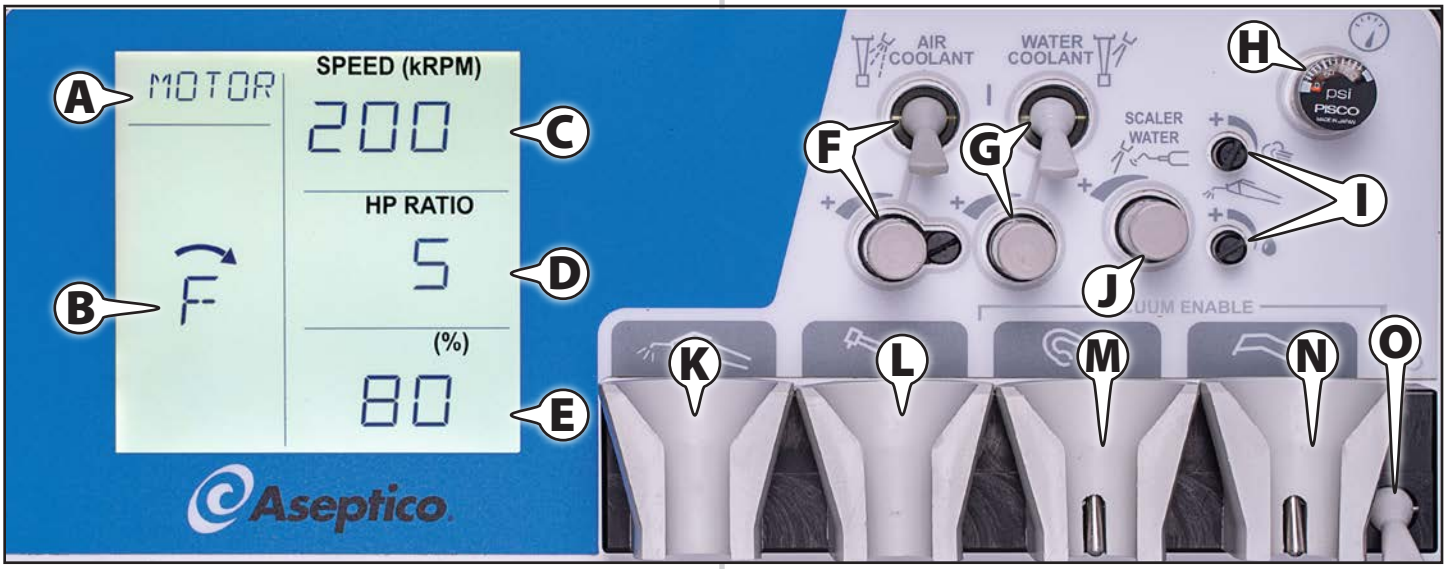




16. If utilizing an AE-7PMW wireless foot control, depress the foot control to ensure motor activation. **Your foot control comes pre-paired to the receiver** and should run the motor when you depress the foot control. If it does not, refer to Pairing Instructions in the **General Operation** section.



CONTROL PANEL



Touch Screen - Motor Mode

Ⓐ **MODE INDICATOR —** The mode displayed here indicates the functions of the touch screen and operational mode of the footswitch Ⓠ. The AEU-350 only has MOTOR mode. The AEU-350S has both MOTOR and SCALER mode, see **Touch Screen - Scaler Mode** section for additional information.

> *When your AEU-350 unit is shut off and turned back on, it will return to the mode and settings from last use. Follow* **Customize Preset Settings** *for directions to revert to preset settings.*

Ⓑ **MOTOR DIRECTION / MOTOR LIGHT —**

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.

Ⓒ **SPEED —**

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

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

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

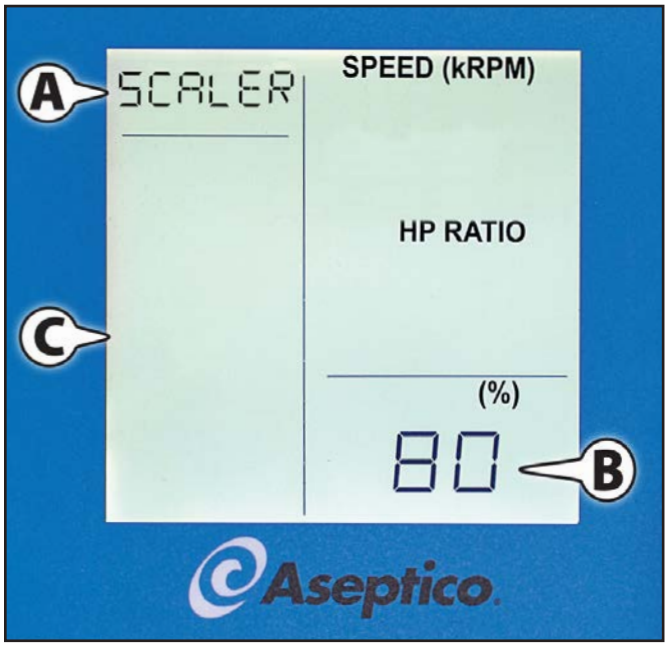
RATIO SETTING	NUMBER DISPLAYED
1:5	5
1:1	1

Ⓔ **TORQUE —**

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%.

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

Touch Screen - Scaler Mode (AEU-350S Only)



Ⓐ **SCALER MODE INDICATOR —** If you have a model 350S system, it is equipped with a scaler and has both a MOTOR and SCALER MODE available. To toggle between MOTOR and SCALER mode press MODE indicator (A) segment of the screen.

The only control available in SCALER mode is the SCALER INTENSITY (B) and the adjustment window for it.

When your AEU-350 unit is shut off and turned back on, it will return to the mode and settings from last use. Follow **Customize Preset Settings** *for directions to revert to preset settings.*

Ⓑ **SCALER INTENSITY —** Displays the current scaler intensity setting in the range of 5-100%.

To adjust the scaler intensity, select the displayed value (B) on the screen to open the adjustment screen in area (C). Use the up and down buttons to adjust the setting within the ranges available. Press anywhere on the right side of the screen to exit from the setting adjustment screen.

Customize Preset Settings

MOTOR/SCALER DEFAULT PRESET — The Motor/Scaler segment Ⓐ of the screen will flash if you have made any adjustments to the settings of the default preset: To **revert** to the default preset, simply press and *immediately release* the flashing Motor/Scaler segment Ⓐ of the screen.

To **save** the adjustments that you have made (to customize the default preset), press and hold the flashing Motor/Scaler segment Ⓐ of the screen until you hear a beep.

Air / Water Controls

Ⓕ **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.

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.

Ⓖ **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.

***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.*

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.

Ⓗ **AIR PRESSURE GAUGE —** This gauge indicates the system air pressure level and should read 70–80 PSI.

Ⓘ **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.

Ⓙ **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:** Do not use the ultrasonic scaler dry. If used dry, the Instrument tip will heat immediately and this may cause thermal injury to the tooth. Ensure proper coolant flow before using the scaler on a patient and adequate liquid coolant is always available.*

Ⓚ **SYRINGE HOLDER —** The syringe can be placed here when not in use.

Ⓛ **MOTOR HOLDER —** The motor can be placed here when not in use.

Ⓜ **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 vacuum enable switch Ⓞ must be in the up position to enable the automatic vacuum switch.

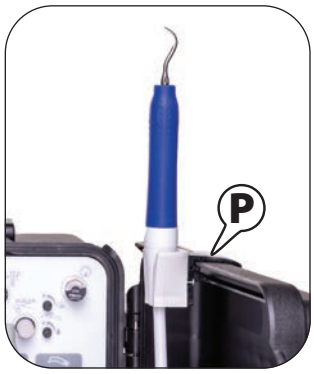
Ⓝ **AUTOMATIC HVE HOLDER —** The high volume ejector can be placed here when not in use. Integrated into this holder is a switch that automatically turns on the vacuum when the instrument is removed from the holder.

The vacuum enable switch Ⓞ must be in the up position to enable the automatic vacuum switch.

Ⓞ **VACUUM ENABLE SWITCH —** Set this switch to the up position to enable the automatic switches in the saliva ejector Ⓜ and HVE ejector Ⓝ 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 8), use the vacuum enable switch as the vacuum on/off switch.*

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



GENERAL OPERATION

After the unit has been set up and you have made yourself familiar with the operating functions, you are ready for operation as follows:

1. Turn the power on. See setup instructions for connection and operating from either AC or DC power. To operate from AC, the input selection switch should be set to AC, and then turn the AC power switch to the ON (1) position to turn on the unit. To operate from DC, turn the input selection switch to DC to turn on the unit. When the unit is powered ON, the Control Panel Touch Screen will light up and the unit will pressurize.
2. Check the pressure gauge on the control panel and ensure that the system operating pressure is within the acceptable 70 to 80 PSI range.
3. Remove desired Instrument from it's holder.
4. Press the foot control to activate the motor or scaler and begin operation.
5. Empty the waste container when the full alert sounds or when the blue LED light located behind the container flashes. **NOTE:** The unit's vacuum system will automatically shut down if the waste tank is not promptly emptied. The audible alert will also continue to sound until the container is emptied.

Using the Electric Motor

1. From the MOTOR mode on the touchscreen, set the HP ratio to match the gear ratio of the handpiece being used. Adjust the speed, torque, motor direction, and electric motor LED to the desired settings.
2. On the control panel, verify that the air and water coolant controls are turned on if needed, and are adjusted to the desirable levels for the type of dentistry being performed. Turn off the handpiece air and water coolant controls when using handpieces that do not support internal irrigation. The air and water coolant will not flow until the footswitch is depressed to turn the motor 'ON'.

Using the 3-Way Air/Water Syringe

1. Adjust the water and air flow of the syringe on the front panel.
2. Use the syringe as necessary for irrigation or drying. Press left button **A** for water, right button for air **B**, or both buttons simultaneously for a mist.



***WARNING**: A plastic dental barrier sheath made for the 3-way syringe must be used on syringes that have not been autoclaved to prevent cross contamination between patients.*

Using HVE and Saliva Ejector Vacuums

1. Use the vacuum enable switch to automatically activate the vacuum when the handpieces are not in the holder.
2. Adjust the vacuum pressure on the HVE (high vacuum) and saliva ejector (low vacuum) by moving the control levers on their respective valve heads.

Using the Optional Ultrasonic Scaler

(AEU-350S Only)

WARNING: New scaler tips, scaler handpiece covers, and torque wrenches are not sterile upon delivery. Sterilize before use and between each use according to the STERILIZATION section of this manual.

WARNING: Ultrasonic scaler instrument tips oscillate at high frequency and can fracture during operation if not used correctly or with too much power or force. To help prevent the tips from fracturing and possibly injuring the patient, use the minimum ultrasonic power setting needed and apply the minimum amount of force needed to achieve the desired performance.

WARNING: Do not use the ultrasonic scaler dry. If used dry, the Instru¬ment tip will heat immediately and this may cause thermal injury to the tooth. Ensure proper coolant flow before using the scaler on a patient and adequate liquid coolant is always available.

WARNING: A scaler tip that is bent, altered, scratched or worn more than 2mm will lose performance and must be exchanged. Prolonged use may cause tip breakage and injury to the patient.

WARNING: Do not use the ultrasonic scaler on metal or porcelain restorations. The high frequency ultrasonic oscillations may loosen the restoration.

WARNING: Keep the patient's lips, cheeks, and tongue out of the way of the scaler tip to avoid potential burns.

1. Rinse the water line before attaching a tip by pressing the foot switch and allowing the water to flow for 30 seconds.
2. Gently slide the handpiece cover onto the handpiece.
3. Screw on a sterile Instrument Tip to the Scaler handpiece and tighten it firmly using one of the torque wrenches provided.



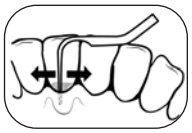


4. Turn the Scaler Water Flow Control knob to the desired setting. The water coolant will not flow until the footswitch is depressed to turn the scaler 'ON'. The water should create a mist around the scaler tip.
5. From the SCALER mode on the touchscreen, adjust the scaler intensity level to maximum setting. Keep the handpiece over the bowl and depress the foot control to activate the scaler. Adjust the intensity to the desired level according to the specific tip requirement. Normal scaling rarely requires more than

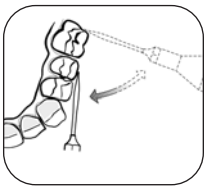
50% power level. However, hard to remove calculus might require a higher power setting.

6. When switched on, the scaler light will illuminate when the footswitch is pressed.

7. To use the scaler,



   A. Place the tip on the tooth surface before activating the foot switch.



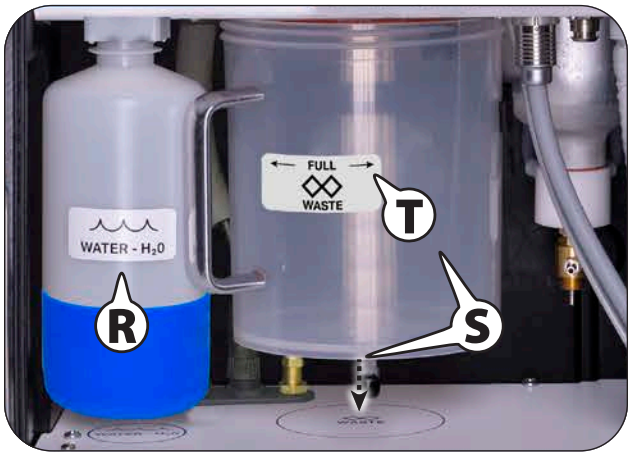
   B. Apply the side of the tip end to the tooth so that the movement of the tip is parallel to the surface of the tooth.

   C. Ensure that contact between the tip and the tooth surface is maintained during scaling.

   D. Keep moving the tip slowly back and forth and let the instrument do the work.

   E. Use short and long strokes so that the whole surface of each tooth is scaled. The tip is normally aimed towards the tooth pocket. To keep the tip working parallel to the surface of each tooth, it is important to follow the anatomy of the tooth.

Water Supply and Waste Containers



Ⓡ **WATER SUPPLY BOTTLE —** Switch power off to the unit before removing the water supply bottle. Fill bottle with sterile or distilled water. See *Water Supply Bottle Cleaning and Replacement* section for important information.

***CAUTION**: Do not use saline solution in the unit. Saline will corrode the system plumbing.*

Ⓢ **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 filled waste container is indicated by a waste fill amount that is approximately level with the "Full" line on the attached label Ⓣ and a blue LED light flashing behind the waste container. To empty, switch off the vacuum using the vacuum enable switch Ⓞ 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.

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, handpiece with water coolant switched on, and scaler (if equipped) 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 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 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 one of the sterilization methods listed in the STERILIZATION section. 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.



MAINTENANCE AND STERILIZATION (cont)

Air/Water Syringe and Scaler Tips

The syringe features quick-change autoclavable tips. To remove a tip, press on the locking collar surrounding the tip socket and pull the used tip straight out of the socket. Follow the instructions in the STERILIZATION section.

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.

Ultrasonic Scaler (AEU-350S ONLY)

After treatment, remove the scaler tip from the scaler by unscrewing it using the torque wrench. Squeeze the handpiece cover gently at the top and at the same time slide it off the handpiece. The scaler's handpiece cover, scaler tips and tip wrench are fully autoclavable. Clean the cover and tips before autoclaving. Follow the instructions in the STERILIZATION section.

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. While cleaning, inspect the scaler and hose for damage or material degradation. Do not use the device if it appears damaged or defective.

Unit and Footswitch

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

AE-7PMW Wireless Foot Control Pairing Instructions

1. Depress foot control to activate.
2. Peel back the rubber seal to your foot control to reveal the bottom casing.
3. Separate the bottom casing from the top to reveal the pairing button.
4. Press and hold the pairing button in the foot control and turn over to check for Fast Blinking Blue Light.



5. Press and hold the receiver button hard until it is Fast Blinking Blue.
6. After three seconds the flashing should turn into a Solid Blue Light indicating successful pairing
7. To ensure your motor and foot control have connected, press down on your wireless foot control.You should hear an audible beep from the control and you should hear the motor in your Aseptico unit activate.





When replacing the top casing of your foot control, align to the points marked by the inner label.

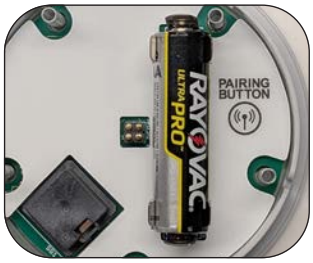
Foot control beep – When connected, the foot control will beep each time it is pressed. Press the pairing button twice quickly to enable/disable the foot control beep.

AE-7PMW Wireless Foot Control Battery Replacement

When an alternating orange LED starts flashing next to your pairing button, it is time to replace your batteries. When the battery is low, the foot control will periodically beep twice (high to low pitch).

1. Peel back the rubber seal to your foot control to reveal the inner casing.
2. Separate the bottom casing from the top to reveal battery.
3. Replace the old battery with a new AA battery.
4. Align top casing to the points marked by the inner label to reassemble.





Handpieces

Thorough cleaning and lubrication of handpieces after each use and before sterilization is very important to ensure proper operation and service life of the handpiece. Follow the instructions provided with the handpiece for complete maintenance instructions.

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 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.



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 the STERILIZATION section 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.

Sterilize the motor and cord assembly using any one of the sterilization methods listed in the STERILIZATION section.

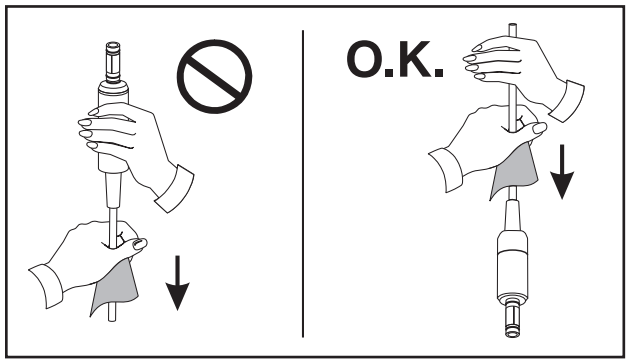
STERILIZATION:

1. **Pre-clean before Sterilization**

   A. Brush off any visible signs of debris from the device.

   B. Thoroughly clean the device with a moist cloth or towel to remove any remaining signs of debris.

***CAUTION**: When cleaning the motor and cord, avoid pulling the cord from the motor. Always wipe towards the motor.*



2. **Inspection**

   While pre-cleaning, inspect motor and motor cable for damage or material degradation. Do not use the device if it appears damaged or defective.

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



4. **Sterilize**

   Select one of the following sterilization methods:

   Gravity Packaged:

   - Place in a pouch suitable for steam sterilization and seal it.
   - Temperature: 132°C (270°F).
   - Time: 15 minutes.
   - Dry Time: 30 minutes.
   - Open door Time: 30 minutes (Electric Motor Only)

   Pre-vacuum Packaged:

   - Place in a pouch suitable for steam sterilization and seal it.
   - Preconditioning Pulses: 4.
   - Temperature: 132°C (270°F).
   - Time: 4 minutes.
   - Dry Time: 40 minutes.

MAINTENANCE AND STERILIZATION (cont)

Gravity Not Packaged (Flash) - For immediate use only.

- Place on tray or rack
- Temperature: 132°C (270°F).
- Time: 15 minutes.
- No dry time is required for flash sterilization.

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 (AA-350-FIL) 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.

Water Supply Bottle Cleaning & Replacement



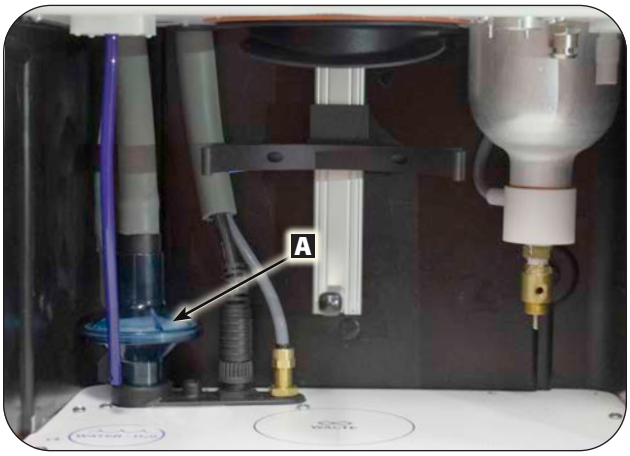
The water supply bottle **A** should be cleaned and dried after every daily use, and before storage. The water supply bottle may be washed in a mild (non-alkaline is recommended) detergent, followed by a rinse with tap water, and then distilled water. Do not use strong alkaline cleaning agents, abrasive cleaners or scouring pads on the water supply bottle.

It is recommended to replace the water supply bottle (AA-350-BOT) every 500 hours of use, or 6 months, whichever comes first.

***CAUTION**: If you notice any signs of damage or wear to the water supply bottle, replace it immediately.*

SPI recycling codes are molded into the bottom of the water supply bottle, and the #2 HDPE bottle and cap may be recycled.

Vacuum Line Filter Replacement



The Vacuum Line Filter (AA-350-VLF) prevents waste aerosols from entering the lower assembly and is located behind the water bottle and next to the waste container bracket (**A**). To remove, pull out of the lower chassis by hand and disconnect from the main vacuum line. Install the new filter by connecting the larger opening of the replacement filter to the main vacuum line, then pushing the bottom of the filter to the lower chassis.

It is recommended to replace when there is noticeable interrupted vacuum flow. Check by removing the filter and testing vacuum flow from the lower assembly and main vacuum line to ensure air is moving through the unit normally. Alternatively, you can test by removing the filter and connecting the main vacuum line to the lower chassis to see if air flow out of the handpiece gets stronger.

Replacement intervals can differ based on use, so we recommend checking filter/vacuum performance often early on and then establishing a more normal replacement routine.

***CAUTION**: Operation is possible without the Vacuum Line Filter, but it is recommended to keep in place to prevent waste aerosols from entering into the lower assembly.*

Call Aseptico at (425) 487-3157 with any questions on sterilization procedures.

REPACKING

1. Remove all water/waste and clean/sterilize the unit as instructed in *Maintenance and Sterilization*. Allow water bottle to thoroughly dry. Remove and hang micro motor cord, HVE tubing, and Saliva Ejector hose vertically to thoroughly dry..
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**.





***CAUTION**: Carefully stow the cords and hoses when closing the case for transit, to avoid pinching or damaging the 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.
Vacuum does not operate:
• Check waste container fill level. A blue LED light flashing behind the waste container indicates the container is full and must be emptied.
• Check that vacuum enable toggle switch is enabled in the "UP" position.
• Check that waste container is fully seated against the waste container bracket and top sealing surface.
• HVE and/or Saliva ejector lever valves should be open and free of debris.
• Remove or replace vacuum line filter.
• Assure that the waste container is optically clean and that nothing is obstructing the blue LED level sensor.
Touch screen error:
• Switch off power, wait 5 seconds, then switch back on to reset.
Compressor shut down, but vacuum pump keeps 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.
Intermittent or no Water Coolant to Motor/Handpiece:
• Turn off Air Coolant toggle. Close Air Coolant Flow Valve by rotating clockwise until it stops. While operating the motor/handpiece (Footswitch depressed), flip the Water Coolant toggle On and Off several times. Position the Water Coolant toggle in the ON position, open Water Coolant Flow valve and verify normal water coolant activation.
Compressor cycles On/Off repeatedly while unit is idle
• Check that Water Bottle is properly threaded into the bulkhead fitting. Check that Water Bottle is firmly seated on fitting gasket, then tighten 1/8 additional turn.

TROUBLESHOOTING (cont)

The scaler tip threads don't fit smoothly onto the handpiece (AEU-350S Only):
• If the tip threads are damaged, blow off the handpiece threads with compressed air and try another tip, preferably unused. Throw away the damaged tip.
• If the problem still remains, contact your dealer for service instructions, because the handpiece threads might be damaged.
The scaler tip does not vibrate properly (AEU-350S only):
• Check that the tip is firmly tightened.
• Check that the tip is not worn more than acceptable according to the tip template.
• If the problem is not resolved, try another tip, preferably unused.
A squeaking sound (loud and dominating) is heard during treatment with the scaler (AEU-350S only):
• The pressure against the tooth might be too low or the tip not parallel to the surface of the tooth. Adjust accordingly.
• Check that the tip is not worn more than acceptable according to the tip template.
• If the problem is not resolved, try another tip, preferably unused.
Insufficient scaler fluid (AEU-350S only):
• Open the water adjustment knob completely.
• If the fluid is still insufficient, remove the tip and inspect if fluid comes out of the handpiece. If yes, replace the tip.
The scaler handpiece is overheated (AEU-350S only):
• Check that the fluid flow is sufficient (recommended: 20ml/min).

WARRANTY

Aseptico Inc. warrants its new products against defects in material and workmanship under normal and proper use, care, and maintenance for a period of two (2) years from date of original invoice. This two (2) year warranty does NOT apply nor is it extended to products that are not manufactured by Aseptico. These products may be covered by a separate limited warranty provided by the particular manufacturer, and all claims and questions regarding the same are to be directed to the particular manufacturer.

Expendable components, such as batteries, fuses, light bulbs, and tubing sets installed on Aseptico products are specifically excluded and have no warranty. Consumable goods are warranted for the stated expiration date of such goods.

Repair or replacement of any product(s) or part(s) under this warranty does not extend the term of this warranty, and such product(s) or part(s) shall remain covered by the unexpired portion of the warranty period, or for ninety (90) days from the date of return to Aseptico, whichever is later. This limited warranty applies only to the initial or first installation of the product or part.

During the specific warranty periods set forth above, Aseptico will, at its option, repair or replace the product(s) or particular part(s) that are found to be defective in either material or workmanship in part or whole. Aseptico 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 Return Material Authorization (RMA) instructions, usually directing that the product be returned for service, shipping prepaid by the buyer or end user, to Aseptico or its designated and authorized warranty service center.

This warranty shall not apply to products (1) that have been subjected to neglect, abuse, misuse, improper installation, inadequate maintenance, or damage due to improper use of cleaning materials or chemicals, or non-compliance with Aseptico's storage, installation, operation, maintenance or environmental requirements; (2) that have undergone any modification or repair not previously authorized by Aseptico in writing, or service, repair or modification by or from any facility other than an authorized Aseptico service center or technician, or that use non-authorized software or spare or replacement parts; or (3) that fail due to reasonable and normal use or wear and tear, or materials made, furnished or specified by the buyer or end user.

Aseptico 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. Under no circumstances will Aseptico be liable or responsible for special, compensatory, incidental, consequential or punitive damages, lost profits, lost sales, or loss of use or loss of business opportunity by or through the use of the product. Aseptico's sole and maximum liability with respect to the product, other than its obligations set forth above, shall be the total purchase price paid for the product.

SYMBOL DESCRIPTIONS

	Consult Instructions For Use
	Caution
	Warning
	Note
	Type B Applied Part
	Important information
	Alternating Current
	Direct Current
	DC/AC Converter
	Rated Power Input, a.c.
	Rated Power Input, d.c.
	Dangerous Voltage
	Not for General Waste. Separate collection for waste electric and electronic equipment (WEEE) is required
	Footswitch
	Authorized European Representative
	Manufacturer
IPX1	Ingress of Water - Classification-Footswitch
	Protective Earth (Ground)
	Temperature Limitation
	Atmospheric Pressure Limitation
	Humidity Limitation
	Sterilizable in a steam sterilizer (autoclave) at 132°C (270°F)
	Sterilizable up to 135°C (275°F)
	Sterilizable up to 135°C (275°F)
SN	Serial Number
REF	Catalogue Number
	“ON” (power)
	“OFF” (power)
	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 WATER 	Scaler Coolant
	Water
	Waste
#	Model Number
UDI	UDI - Unique Device Identifier
	Country of Manufacture - USA
Rx Dental Use Only	Rx Dental Use Only
MD	MD - Medical Device
	Fragile, Handle with care
	Keep dry or Keep away from rain
	Wireless communications
	Low battery

REPLACEMENT PARTS

Call Aseptico at (425) 487-3157 to order replacement parts.

ITEM	PART NUMBER
Electric Motor Receptacle O-ring kit	AA-240SC
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
3-way Syringe O-ring kit	TA-66
Air Filter	AA-350-FIL
Vacuum Line Filter	AA-350-VLF
Water Supply Bottle	AA-350-BOT
Water Bottle Flex Boot, blue	730812
Water Bottle Gasket	520135
DC Lockout Cover	462773
Waste Container Bottle & Lid ONLY (without handle)	730327

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: 32 lb (14.5 kg), 34 lb (15.5 kg) for AEU-350S

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

WATER RESERVOIR CAPACITY: 500ml (16.9 fl. oz.)

BATTERY TYPE: Alkaline, 1.5V, size AA

WIRELESS SPECIFICATIONS:
Bluetooth® Low Energy
Frequency: 2.402 - 2.480 GHz
Max. Transmit Power: 4 mW
Contains FCC ID: SQGBL652
Contains IC: 3147A-BL652

WASTE CONTAINER CAPACITY: 1000ml (34 fl. oz.) w/ auto-shutoff at 650ml (22 fl. oz.)

SCALER OUTPUT POWER: Maximum 10 W, 24 kHz to 28kHz, automatic tuning

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

COMPRESSED AIR DELIVERY TO AIR TANK:

At least 37 SCFH ± 5% at 0 psi

At least 22 SCFH ± 5% at 70 psi

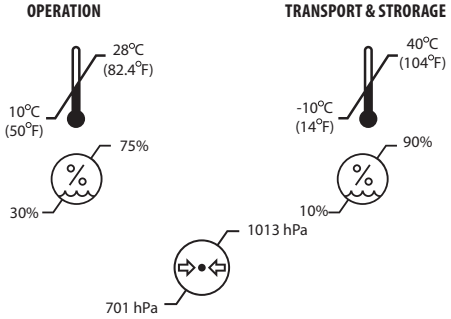
VACUUM PERFORMANCE THROUGH HVE WITH LVE OFF:

At least 5.0 SCFM when unrestricted

At least 3.5 SCFM at 2 in Hg

At zero flow, at least 3 in Hg

ENVIRONMENTAL CONDITIONS:



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

Classifications:

Not suitable for use in the presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide.

Type of Protection Against Electric Shock:

- Class I when powered by Mains power source.
- Class II when powered by Vehicle Battery power source.
- Type B Applied Parts

Degree of protection provided by enclosures (IP Code):

- IPX0 - System, Ordinary Equipment, Non-Protected
- IPX1 - Footswitch

Mode of Operation:

- Continuous with Intermittent loading for Hand Motor.
  Duty Cycle for Hand Motor Use:
  17% (1 minute ON / 5 minutes OFF)

C US
304138

Medical electrical equipment - Part 1: General requirements for basic safety and essential performance - Amendment 2 (ANSI/AAMI ES60601-1:2005/A2:2021) and Medical Electrical Equipment - Part 1: General Requirements for Basic Safety and Essential Performance (CAN/CSA-C22.2 No. 60601-1:14+Amd2:2022)

CE 0297

Aseptico
8333 216th Street SE
Woodinville,
WA 98072 USA

EU REP
Advena Ltd,
Tower Business Centre, 2nd Flr,
Tower Street, Swatar,
BKR 4013
Malta

MESSAGES

System Messages

1. When the system is powered on, the software part number and version will be displayed briefly on the touch screen.
2. The waste tank sensor will flash the version number of software in the lower chamber. One flash indicates version 1, two flashes indicates version 2, etc.
3. Use table below for AE-7PMW wireless foot control indicators.

States for LED Lights and Pairing	Receiver & Foot Control	Foot Control Only
Not Connected	Slow Blinking Blue	
Ready for pairing	Fast Blinking Blue	
Connected	Solid Blue	
Low Battery	NA	Alternating Blue & Orange (high to low pitch beep)
Wake up	NA	Two beeps (low to high pitch)

Error Messages

None

Fault Messages

None

DISPOSAL OF PRODUCT AND WASTE

- Dispose of all medical waste products, residues, etc. in accordance with your local, state and country laws.
- Prior to return for service or disposal, your device must not be contaminated and must have been completely reprocessed (Cleaning / Disinfection / Sterilization).
- Follow your local and country-specific laws, directives, standards and guidelines for disposal of medical device, waste electrical equipment, and packaging.

ADVERSE REACTIONS

None known

NOTES

NOTES

GO Ultra Portable Dental System

Aseptico®

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