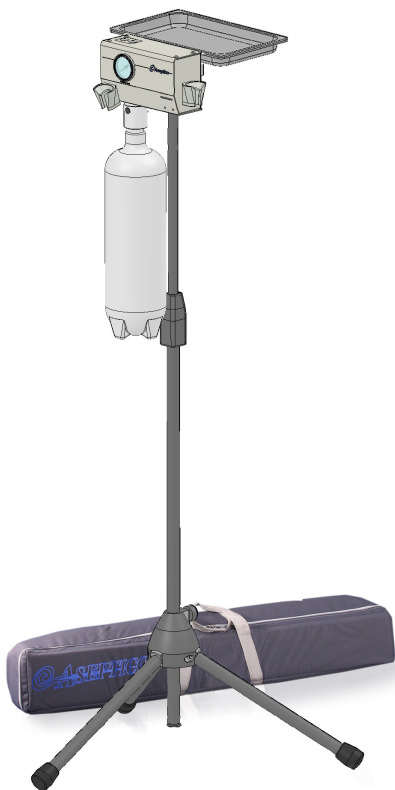


OPERATION and MAINTENANCE INSTRUCTION MANUAL

ADU-03ST Syringe & HVE Mini-Controller w/Stand



Aseptico®

TABLE OF CONTENTS:

Introduction1
Package Contents & Options1
Setting Up the Unit2
• Figure 1 - Case Contents2
• Figure 2 - ADU-03ST Setup2
Operation Functions3
• Figures 3 & 4 - Operation Functions ... 4
Unit Operation4
• Figure 5 - Air/Water Syringe4
Cleaning5
Symbol Definitions5
WarrantyBack Cover

SPECIFICATIONS:

Case Size: 11 in. x 11 in. x 40 in.
Case Weight: 18 lbs.
Power Source: 80 - 100 PSI Compressed Air



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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.



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The Aseptico ADU-03ST is one of the finest high volume evacuator systems available to the professional. Offering manual activation and a remote stand, the ADU-03ST provides an economic HVE control system for a dental operator, hygienist's room, or satellite office. An optional single pneumatic handpiece control with foot-pedal control is also available.

Congratulations!

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

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

PACKAGE CONTENTS:

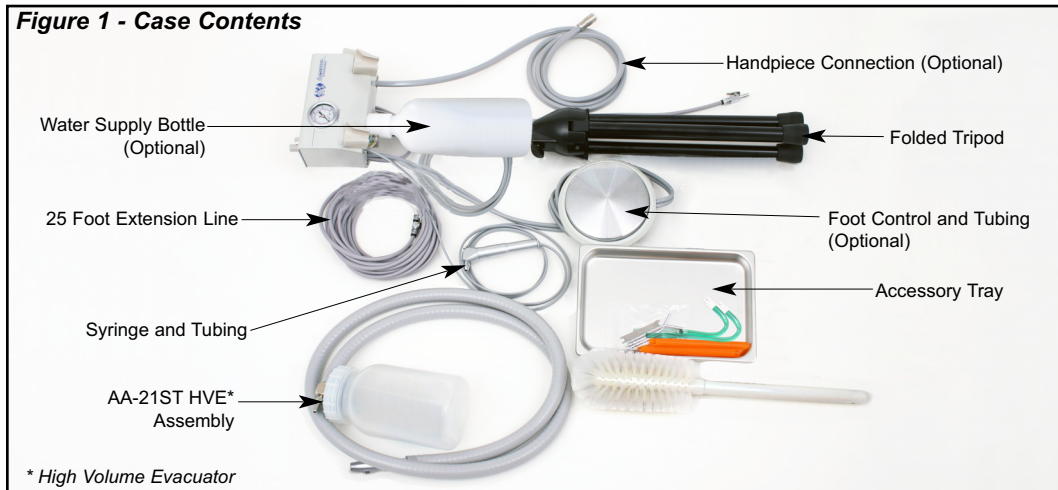
- ADU-03ST Pneumatic Control Unit
- AA-21ST High Volume Evacuator - HVE
- TA-90D 3-Way Air/Water Syringe with Tip
- Accessory Tray

OPTIONS:

- Highspeed or Lowspeed Handpiece Control
(**Note:** Handpieces are sold separately)
- AA-42 Foot Control and Tubing for Handpiece
- NWS-7 Self-Contained Clean Water System
- AWS-1C Water Connector for Scalers

SETTING UP THE UNIT:

Figure 1 - Case Contents



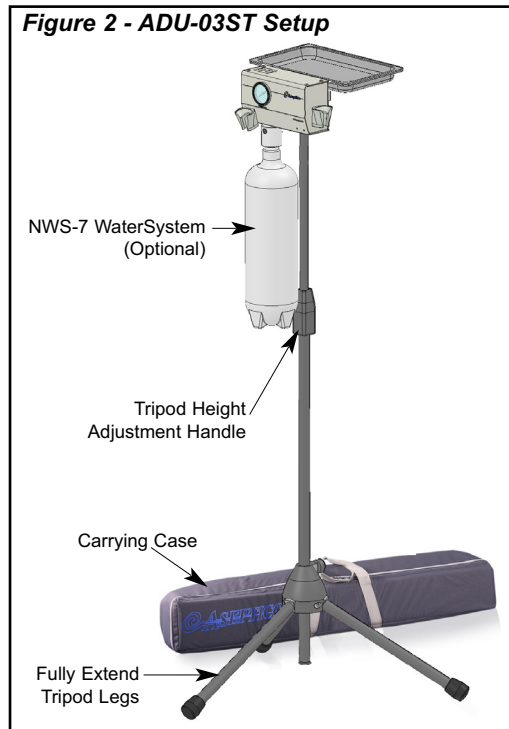
* High Volume Evacuator

1. The ADU-03ST comes factory-mounted on a tripod stand. Remove the system from the carrying case (Fig. 1), fully extend tripod legs, and stand the system up (Fig. 2).

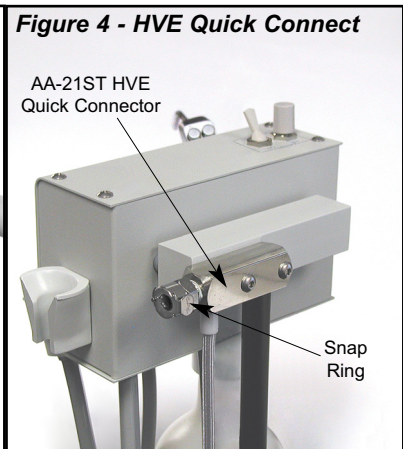
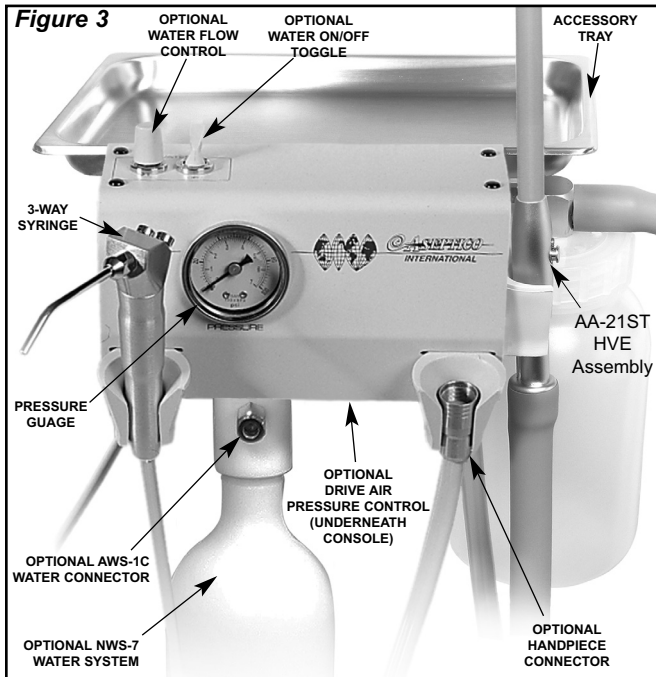
Note item locations to ease repackaging.

2. Unit height is adjusted by loosening the adjustment handle on tripod, raise or lower system, then tighten adjustment handle.
3. Place syringe, HVE, (and optional handpiece) instruments in their respective holders.
4. Attach one end of the 25 ft. grey extension line to the grey air supply line from the compressors. Connect the other end to a clean regulated 80-100 PSI compressed air supply.
5. **Optional NWS-7 Water System** - Locate the white plastic water supply bottle in the soft carrying case. Fill the bottle with clean or sterile water and attach it to the white fitting on the underside of the ADU-03ST. Turn the water toggle switch ON and adjust the water flow.

Figure 2 - ADU-03ST Setup



OPERATION FUNCTIONS



Pressure Gauge:

Gives a visual indication of the drive air pressure to the handpiece.

AA-21ST High Volume Evacuator:

Provides vacuum flow to the High Volume Evacuator when the HVE valve button is depressed.

3-Way Air /Water Syringe:

Delivers air, water, or a combination mist. Supplied with autoclavable tip.

Drive Air Pressure Control (Optional):

Adjusts the drive air pressure to the optional handpiece.

Water On/Off Toggle (Optional):

Controls the on/off flow of water coolant to the optional handpiece.

Water Flow Control (Optional):

Adjusts the water coolant flow to the optional handpiece.

Foot Control (Optional):

Controls the drive air pressure to the optional handpiece. Apply light foot pressure to any part of the foot control cover.

NWS-7 Water System (Optional):

White 1-liter bottle dispenses water through the 3-Way Air/Water Syringe and handpiece.

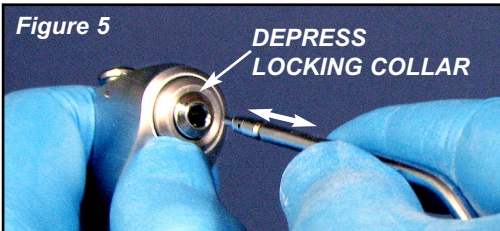
AWS-1C Water Connector (Optional):

Provides water via standard 1/4" quick disconnect to independent Cavitron or scaler units requiring a water supply.

UNIT OPERATION

HVE System - Remove the vacuum hose from its holder and insert a standard oral evacuator tip. Depress the button switch on the side of the HVE valve for vacuum. Waste from the vacuum system will collect in the attached plastic bottle. When the waste container is 3/4 full, it should be emptied.

3-Way Air/Water Syringe - Depress the right button for air operation, and the left button for water operation. Depressing both buttons will create a mist. 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 (see Fig. 5). To insert a new tip, press locking collar and push tip into socket as far as it will go. Release collar and gently tug on tip before using to ensure that tip is securely locked into socket.



Optional Handpiece - Connect the proper high-speed or low-speed handpiece to the connector. Depress foot control for operation.

CLEANING

HVE System: After each use, the high volume evacuator (HVE) system should be cleaned by running clean water or a vacuum system cleanser through the evacuator hose.

Vacuum System Waste Bottle: Waste from the vacuum system will collect in its respective plastic waste bottle. When the waste container is 3/4 full, it should be emptied. After each use, the vacuum system should be cleaned by running clean water or a vacuum system cleanser through the evacuator hose. Thoroughly clean the waste bottle.







Syringe Tip Sterilization:

- 1) Remove contaminated syringe tip.
- 2) Remove all visible signs of contamination before autoclaving.
- 3) Autoclave tip at 132° C (270° F) for ten minutes.
- 4) Sterilize between each patient use.

NOTE: Since only the tips can be autoclaved, it is recommended that the air/water syringe be bagged with a disposable, single-use plastic sleeve between each patient use.

Water Lines- Disinfect the water lines weekly. Prepare a 1:10 bleach solution (1 part household bleach to 10 parts water). Remove water bottle (optional) and discard residual water. Replace empty water bottle and air purge all waterlines. Fill water bottle with bleach solution. Run bleach solution through all lines. Allow bleach solution to stand in lines for 10 minutes. Remove water bottle and discard bleach. Flush water bottle and all lines thoroughly with clean water. Air purge and leave lines dry until next clinical use.

SYMBOL DEFINITIONS:

 <p>Type B Equipment</p>	 <p>Alternating current</p>
 <p>Attention, consult accompanying documents</p>	 <p>Protective earth (ground)</p>
 <p>Dangerous Voltage</p>	 <p>Earth (ground)</p>

WARRANTY

Aseptico warrants its products 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 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 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.



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