

OPERATION AND MAINTENANCE INSTRUCTION MANUAL

ADU-04ST Manual Dental Control System *HVE and Saliva Ejector options*



 **Aseptic**[®]

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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.

SPECIFICATIONS:

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

Manufacturer



2797









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SYMBOL DEFINITIONS:

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

Your new Aseptico ADU-04ST Manual Dental Control System is one of the finest handpiece control systems available to the professional. Offering manual activation and a remote stand, the ADU-04ST model provides an economic control system for dental operators, hygienist's room or satellite office.

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. Handpieces are purchased separately.

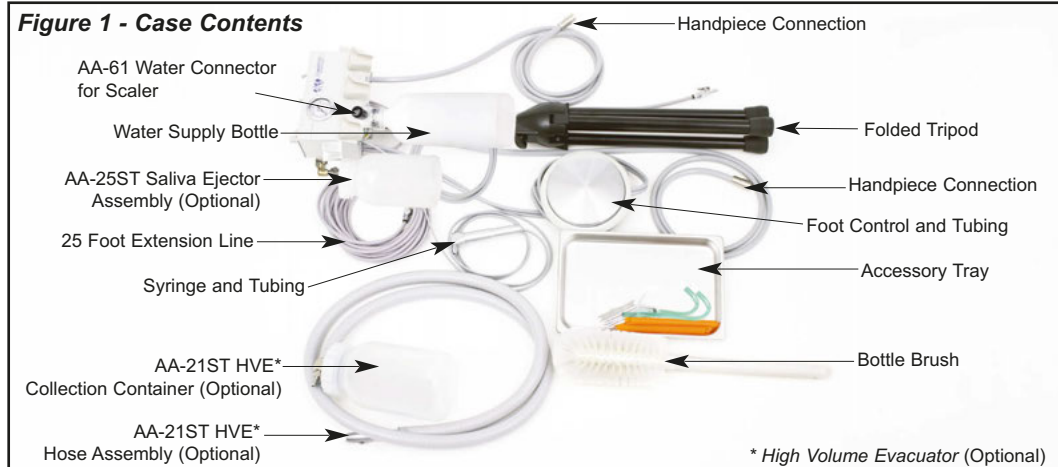
PACKAGE CONTENTS:

- ADU-04 Pneumatic Control Unit
- TA-90D 3-Way Air/Water Syringe with Tips
- AA-42 Foot Control and Tubing
- Highspeed Handpiece Control
- Lowspeed Handpiece Control
- NWS-8 Self Contained Clean Water System
- AA-61 Water Connector for scalers
- 25-Foot Extension Line

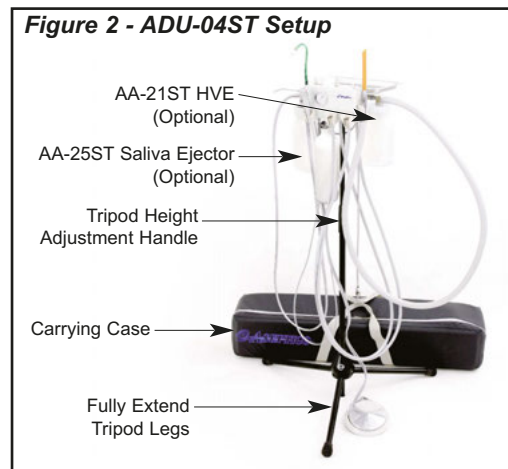
OPTIONS:

- AA-21ST High Volume Evacuator - HVE
- AA-25ST Saliva Ejector System
- Fiber Optics Kit for fiber optics handpieces

SETTING UP THE UNIT:

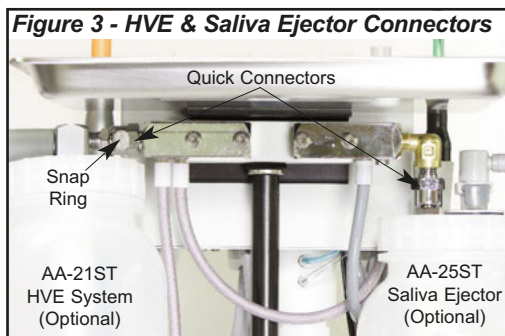


1. The ADU-04ST comes factory-mounted on a tripod stand.
2. Remove the system from the carrying case (Fig. 1), fully extend tripod legs, and stand the system up (Fig. 2).
3. Unit height is adjusted by loosening the adjustment handle on tripod, raise or lower system, then tighten adjustment handle.

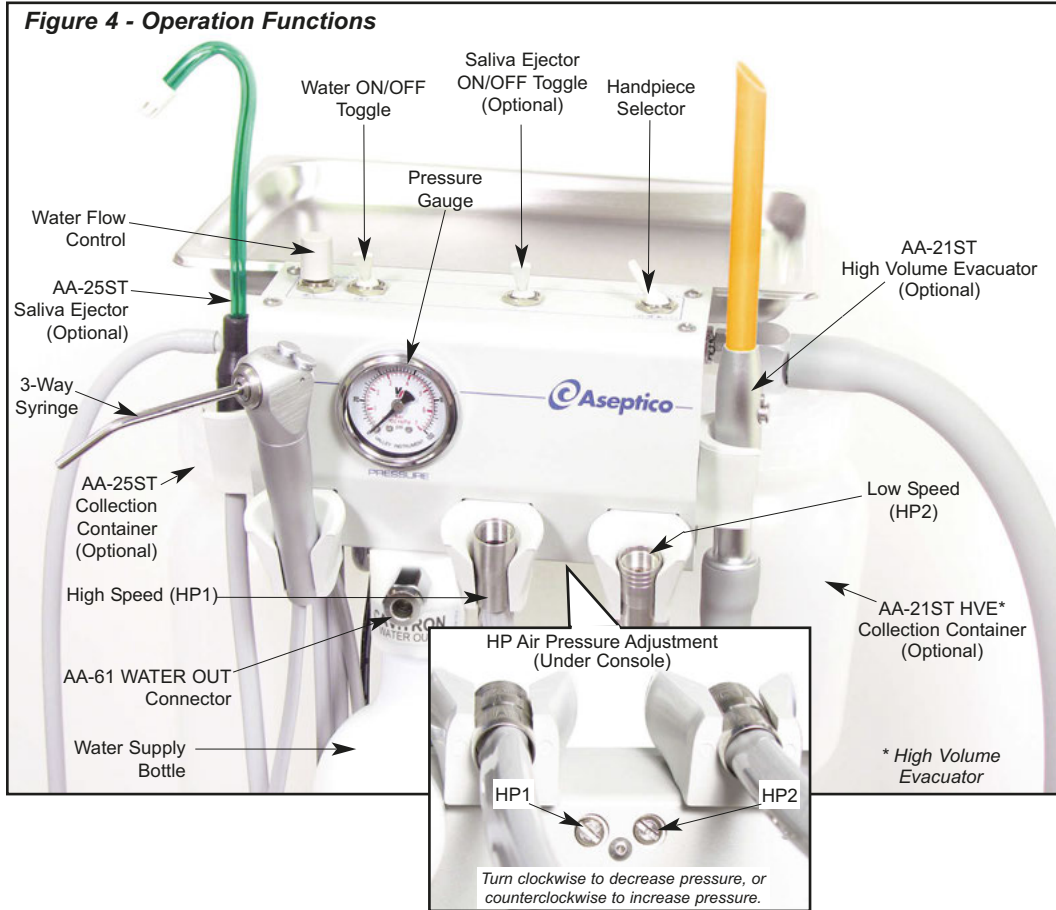


REMOTE SETUP:

1. Remove components from the soft carrying case as required. **Note item locations to ease repackaging.**
2. Attach one end of the 25 ft. grey extension line to the grey air supply line from the unit. Connect the other end to a clean regulated 80-100 PSI compressed air supply.
3. 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-04ST.
4. **Optional AA-25ST Saliva Ejector System**
The Saliva Ejector System consists of a plastic waste container and a single low-velocity hose. Mount the waste container to the quick connect on the mounting block located on the back left-hand side of the chassis (see Fig. 3). Push the waste container straight up into the Quick Connector, until the snap ring locks it into place. Attach saliva ejector hose to the quick connect located on top of waste container and then place ejector valve into the holder located on left side of unit. To remove waste container assembly, push in on snap-ring tab and pull the assembly out of Connector.
5. **Optional AA-21ST HVE System - The High Volume Evacuator** consists of a plastic waste container and a single large-diameter low velocity hose. Mount the waste container and hose assembly to the quick connect on the mounting block located on the back right-hand side of the chassis (see Fig. 3), then place HVE valve in the holder on the right side of unit. To attach the assembly, push the waste container and hose assembly straight into the Quick Connector, until the snap ring locks it into place. To remove assembly, push in on snap-ring tab and pull the assembly out of Connector.
6. Slide the accessory tray between the ADU-04ST chassis back and the mounting block.



OPERATION FUNCTIONS - *Cont'd*



OPERATION FUNCTIONS (Refer to Fig. 4)

Handpiece Selector:

Selects high-speed (HP1) or low-speed (HP2) handpiece operation.

Water On/Off Toggle:

Controls the on/off flow of water coolant to the high-speed handpiece.

Water Flow Control:

Adjusts the water coolant flow to the high-speed handpiece.

Pressure Gauge:

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

HP Air Pressure Adjustment:

Adjusts the drive air pressure to the high-speed and low-speed handpieces.

Foot Control:

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

3-Way Air /Water Syringe:

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

NWS-8 Water System:

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

Saliva Ejector On/Off Toggle (Optional):

Turns vacuum On/Off to the saliva ejector valve.

AA-21ST High Volume Evacuator (Optional):

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

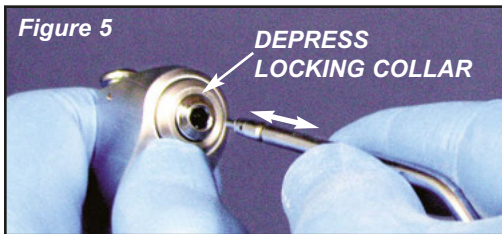
AA-61 Water Out Connector:

Provides water via standard 1/4" quick disconnect to independent Cavitron or scaler units requiring a water supply. Remove the black rubber cap, then connect water line to this connector. FOR WATER OUT CONNECTIONS ONLY!

UNIT OPERATION

Handpieces - Connect the proper high-speed and low-speed handpieces to their appropriate connector. Switch the handpiece selector toggle to the desired handpiece. Depress foot control for operation.

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 Saliva Ejector - Remove the saliva ejector valve from its holder and insert a standard saliva ejector tip. Turn the low vacuum toggle switch ON. Waste from the vacuum system will collect in the attached plastic bottle. When the waste container is 3/4 full, it must be emptied to prevent a back-up in the system.

Optional 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.

CLEANING

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.

Saliva Ejector: The valve assembly on the saliva ejector snaps apart at the swivel. After each use, the vacuum system should be cleaned by running clean water or vacuum system cleanser through the evacuator hose.

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

Vacuum System Waste Bottles: Waste from the vacuum systems will collect in their

respective plastic waste bottles. When the waste containers are 3/4 full, they should be emptied. After each use, the vacuum systems should be cleaned by running clean water or a vacuum system cleanser through the evacuator hoses. **CAUTION:** Use only NON-foaming cleansers in the vacuum lines. Thoroughly clean the waste bottles.

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

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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