




Alert Symbols The safety notices associated with the following should be given special attention when they appear in maintenance, operating and emergency procedures in the guide.


-  CAUTION indicates that a particular procedure or precaution must be followed to avoid system irregularity or possible damage to the product.
-  NOTE indicates special information to improve the ease of maintaining the product, or to clarify important information.
-  WARNING indicates that the personal safety of the patient, end user or technician could be compromised by disregarding the WARNING. Not following instructions may result in an injury.

Contraindications There are no contraindications for this product.

Specifications	Input voltage	24 VAC/12 VAC (Supplied by remote power supply)
	Air pressure (MAX)	80 PSI
	Water pressure (MAX)	40 PSI
	Protection against electrical dangers	Class 1, Type B
	Normal use condition	Temperature from 5° F to 104° F (10° C to 40° C)
	5% duty cycle (Maximum 30 sec.)	Relative humidity for 30% to 75%
	ON/Minimum 9.5 minutes OFF)	Atmospheric pressure from 70 to 106 KPa

Barrier Technique Forest recommends the barrier technique to protect the finish and appearance of your dental equipment. Disposable barrier protectors should be used wherever possible to preserve the appearance and life of your equipment.

Chemical Disinfection

 CAUTION: Forest does not recommend any chemical disinfectants for all carbon fiber finish and surface cleaning. If you choose to use chemical disinfectants, we strongly recommend you wipe down the equipment with mild soap and water after use to reduce the harmful effects that chemical residues leave behind. Daily washing with mild soap and water is recommended. For additional information regarding infection control, we recommend you contact the American Dental Association or visit their website, www.ada.org

Warranty

Forest warrants its products to be free from defects in material and workmanship only. No other warranties are expressed or implied. This warranty shall extend for five years unless otherwise stated. Written notice of breach must be given to Forest within this period. Buyer's remedy for breach of this warranty is limited to repair parts or replacement of items by Forest. Factory repairs are covered for a period of 90 days. No claim for labor or consequential damages or freight will be allowed. Forest is not responsible for ensuring equipment or installation conformity to local code or regulatory requirements. Check with local code or regulatory requirements before purchase and installation of all Forest product. Field modifications that alter the electrical and /or mechanical safety of Forest products conflict with agency construction file requirements and are not sanctioned by Forest.

Warranty is void if:

Items are carelessly used or improperly maintained or installed. Damage results from using cleaning, disinfecting or sterilization chemicals and processes. Damage is the result of freight damage and as such claims must be filed with the carrier by dealer. Warranty term exceptions cover items that are normally expected service items and items not covered by Forest's warranty: Handpiece illumination tubings, heated syringe tubings & assemblies and light bulbs are warranted for six months. Power supplies, syringe buttons, HVE & SE valves are warranted for one year. Water bottles, gas springs and handpiece tubings are warranted for two years. Air & Water tubing connectors (T's), Distribution Block, Master Control Block, Flow Valves, 7000 Chassis are warranted for a maximum of 20 years. Bien-Air handpiece motors, Satelec scaler and Cavitron are covered under manufacturer's warranty. Two year upholstery warranty, excluding wear and tear. Installation of ancillary devices are warranted for two years.

 **Forest Dental Products Inc.**  Address 6200 ne cherry drive hillsboro oregon 97124 • USA

Phone 800 . 423 . 3555 • 503 . 640 . 3012 | Fax 503 . 693 . 9715 | Digital sales@forestdental.com • forestdental.com

Authorized Representative: Emergo Europe • prinsessegracht 20 | 2514 ap the hague | the netherlands  

 Conformity Assessment:
0459 Medical Device Directive Annex V

Compliant With EU Directives

93/42/EEC MDD
2002/96/EC WEEE
2011/65/EU RoHS




Disposal of medical equipment should be performed in accordance with national and local regulations.

Forest Dental Products, Inc. has a quality system certified by LNE/G-med to be compliant with the requirements of ISO 13485:2003 (Certificate #7528).


Forest Delivery System Operator's Guide


Affordable Excellence + Designer Friendly®

 **User Responsibility** Read this guide thoroughly, including all regulatory information and product specifications before use.

Intended Use A dental delivery system is intended to serve as a base as well as supply air and water for other dental devices in a dental office environment. There are no contraindications for this product which conflict with EU direction.

Expected Service Life With proper maintenance and service, Forest Dental products are designed for a defined "service life" under normal use (based on approximately 50 patients per week) of 15 years from the date of manufacture, with the exception of serviceable components. Some components may become obsolete due to changes in technology or due to product improvements and may necessitate product updates or upgrades. At the end of the defined service life, all products require examination by a trained service technician prior to continued use. Following this, additional examinations are required every 5 years.


 CAUTION: Federal law restricts this device to sale by or on the order of a dental practitioner licensed by the law of the State in which he/she practices to use or order the use of the device.

 WARNING: Operation of delivery system ancillary devices may cause electromagnetic interference with other devices in the immediate vicinity. In the event of an emergency, disconnect power to the dental system.

Self-contained Clean Water System Water Line Maintenance


Daily


The most convenient way to maintain the water lines in a dental delivery system with a self-contained water system is to empty the water bottle at the end of each work day and purge the water system of the unit. Install an empty dry bottle and repressurize the system. Purge the syringe water line and each handpiece water coolant line until only air flows through them. Turn the unit off and allow the lines to dry overnight.

 NOTE: When performing an air purge, always allow the empty bottle to become fully pressurized before starting the purge.

Weekly

1. Add a disinfectant agent according to manufacturer's recommendations to a disinfected bottle. This will be referred to as the disinfectant bottle.

 CAUTION: Use of certain cleaning or disinfecting agents may cause damage or affect the performance of the dental equipment's water system. Forest Dental's warranty does not cover damage to equipment resulting from the use of such agents. Always follow the agent manufacturer's instructions.


 CAUTION: No user-servicable parts are located in the dental system control head.


2. Fill the disinfectant bottle to the neck with treatment solution and install it on the dental unit's self-contained water system.
3. Flush the solution through the handpiece and syringe tubings into a sink, basin or bucket by operating the dental unit. Flush the system according to the agent's instructions.
4. Remove the disinfectant bottle and install an empty bottle. The empty bottle will allow you to purge the water system with pressurized air.
5. Holding the handpiece tubings and the syringe over a sink, basin or bucket, open the dental unit handpiece flush valve and the syringe until all the solution has been purged from the system.
6. Remove the empty bottle.
7. Install a bottle of treatment water.
8. Operate the dental unit handpiece flush valve and the syringe for 30 seconds to purge the water system of air and disinfectant. Make sure no disinfectant remains.

Your Dental Unit Water System Is Now Ready For Use.

 NOTE: Refer to service manual and Installation Instructions for complete technical descriptions.

When using self-contained water systems, all plastic bottles should be inspected for damage prior to every use. If a bottle appears to be damaged in any manner, it should be replaced. Bottles should never be cleaned in a dishwasher. The air pressure in the bottle should not exceed 40 PSI.

 NOTE: If your delivery system is not going to be used for an extended period of time, e.g. weekends and holidays, it is recommend to air purge the handpiece tubing water coolant lines and the syringe water line. This will help prevent any stagnation of fluids inside the water lines.

 NOTE: Always consult the instructions of the disinfectant manufacturer to be certain the solution is not harmful to people or the materials it will come in contact with.

Foot Control

Foot control (Figure 1)

Regulates drive air and water to the active handpiece. To operate, apply pressure to the foot control for drive air. Flip the toggle to turn the water on or off.

Gravity Drain Cuspidor

All controls for the Gravity Drain Cuspidor are located on the cuspidor itself.

Deluxe Cuspidor Bowl (Figure 2): Cup Fill/Bowl Rinse Controls

Figure 2 shows the actuator which is used to activate the timed cup fill and bowl rinse cycles. Rotate to desired position. Press symbol to activate.

Bowl Rinse Spout

Rotate the bowl rinse spout to desired position for bowl rinsing. Figure 2 shows the cycle time adjustment for the cup fill/bowl rinse. Turn clockwise to increase, counter-clockwise to decrease the cycle time.

Basic Cuspidor Bowl (Figure 3): Bowl Rinse Cycle

Allows for adjusting the length of time that water will flow into the bowl. Turn the knob clockwise to increase the time, counter-clockwise to decrease the time.

Bowl Rinse

Activates the timed bowl rinse, which provides a stream of water for rinsing. Press the button to activate the bowl rinse.

Cup Fill

Activates the cup filler, which provides a flow of water to the cup. Press the button to activate the cup fill.

Sidebox

All controls for the sidebox are located on the front panel. Figure 4 shows the location and identifies the function of these controls.

Quick Disconnect With Flow Control

Allows the adjustment of water through the quick disconnect. Turn the knob counter clockwise to increase the flow, clockwise to decrease the flow.

Quick Disconnect

Connection for an additional water source.

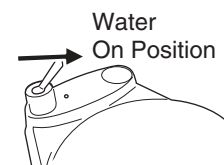
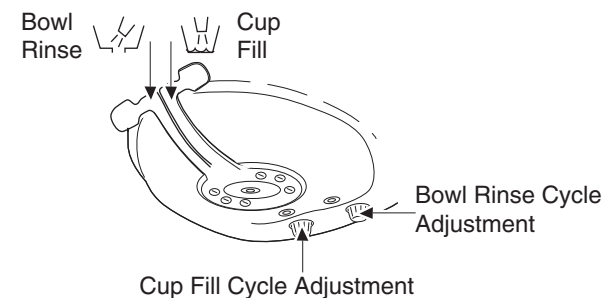
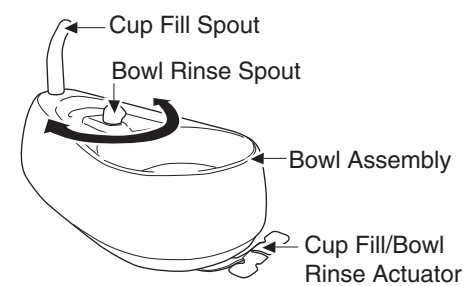


Figure 1. Foot Control

Figure 2. Deluxe Cuspidor Controls

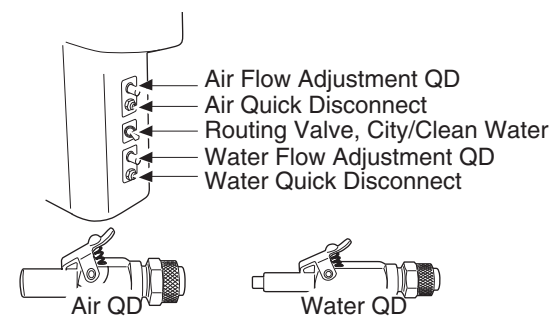


Figure 4. Sidebox Controls

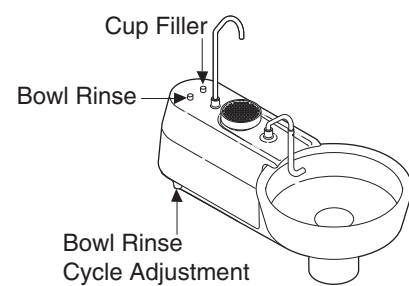


Figure 3. Basic Cuspidor Controls

Vacuum

Syringe (Figure 5)

Press water button head to activate water, press air to activate air. Pressing both button heads will create mist.

Saliva Ejector & Standard Vacuum Valve (Hve) (Figure 6)

Flip the lever up to turn on and reverse to turn off.

1095/Canister/Quad Holder/Durr Holder (Figure 7)

For infection control, clean strainer regularly.

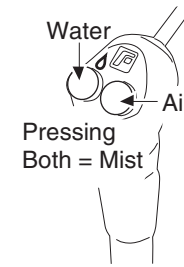


Figure 5. Syringe

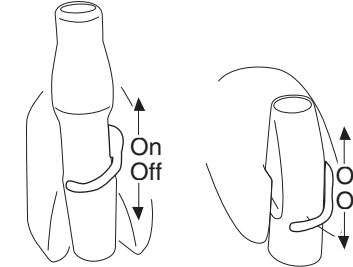
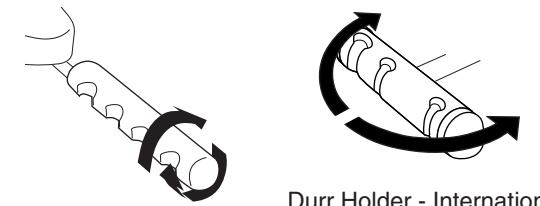


Figure 6. Saliva Ejector Valve & Standard Vacuum Valve



Durr Holder - International Only

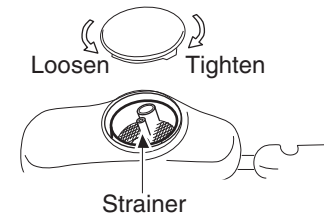


Figure 7. 1095 (Canister & Quad Holder)

Handpiece Exhaust

Located inside every control head(Euro:Canister below) is an exhaust canister. The sole purpose for this is to trap excess oil from spraying the inside of your control head while exhausting your handpieces. See Figure 8.

Before exhausting the handpieces, make sure that there is a 2" x 2" gauze pad inside the canister. This is to collect and absorb the excess oil.

To prevent handpiece lubrication from contaminating the interior of the control head, make certain the drip exhaust lines remain in the canister.

Note: Forest recommends changing the gauze biweekly.

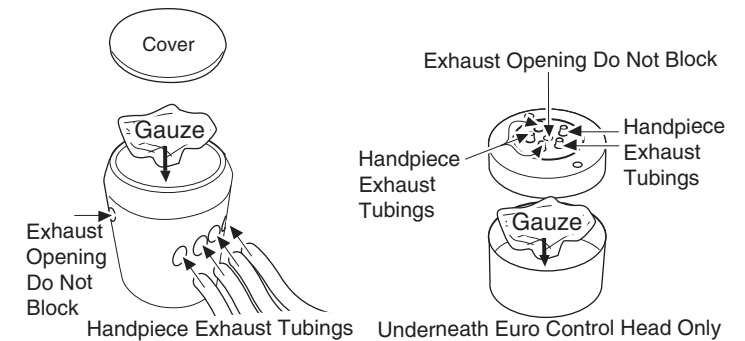


Figure 8. Exhaust Canister

Quick-Disconnect Bottle

This quick-disconnect bottle allows for a quick and easy way to change water bottles. (Figure 9)

Simply push up and turn clockwise to install bottle. Turn counter-clockwise to remove bottle.

WARNING: For infection control, clean strainer regularly. Visit www.ada.org for additional information.

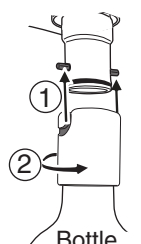


Figure 9. Quick-Disconnect Bottle