

DAILY SET-UP

- Position cart in area of operation. Put foot control on floor.
- Water Bottles: Remove, fill with distilled water and replace. (Fig.2)
- Connect power cord to cart and plug into wall outlet. Turn cart power switch on.

SCALING SET-UP

- Install handpiece: push onto scaler tubing coming from cart. **Do not twist.**
- Have all tips loaded in tip wrenches and accessible on the work surface.
- Select a tip, using the tip wrench screw it onto the scaler handpiece (#1 General, #2 Gross calculus, #10P Shallow pockets up to 3mm).
- Set power setting - All included tips always run in the blue section of the power dial.
- Step on the foot pedal and using the blue knob next to the power dial, adjust the water spray to a fine mist (Fig. 4).

LOW-SPEED HANDPIECE SET-UP

- Hold handpiece securely, rotate chuck ring until arrow aligns with unlock symbol on the chuck ring and clicks into place.
- Align prophy angle or doriot slot with the pin on nose cone.
- Hold handpiece securely, rotate chuck ring until arrow aligns with lock symbol on the chuck ring and clicks into place.
- Double check to be sure the attachment is secured in place by gently pulling on it.
- Align the drive air and exhaust tubes with the outlets in the supply tube and screw the low-speed handpiece to the dental unit hose nut, making sure contact between the handpiece and gasket is flush.
- Check air. (Fig.4) Lo- speed handpiece should operate at 35-50 psi.

HIGH-SPEED HANDPIECE SET-UP

- Install bur in high-speed handpiece. Push into chuck, will only go in half-way. Push button on back of handpiece and push bur the rest of the way in. Release button and pull on bur to verify it is secure.
- If fiber optic, high speed, line up hose connector with bulb properly to prevent bending and handpiece failure.
- If equipped, screw swivel coupler into hose from cart. Snap handpiece onto coupler. Push until it clicks twice. If not equipped with coupler, screw handpiece directly into hose.
- Check air and water. (Fig 4) The high-speed handpiece should operate at 32-40 psi.

AFTER EACH PROCEDURE

- **Clean.** Handpieces and syringe tip should be changed or disinfected between each patient according to manufacturer's instructions.
Note: Use a new bur for each procedure. Reusing burs dulls them and requires more force for cutting ability. This can damage your turbine. Diamond burs are the only burs that can be reused and sterilized.
- **Flush System.** (Fig.1)
- **Fill Water Bottles** (Fig. 2)

END OF EACH DAY




- **Empty Water System.**
 - Remove, empty and reinstall water bottles.
 - Move water toggle valve to left side.
 - Open water needle valves all the way.
 - Hold handpiece over a container and depress foot control until no water is coming out of the tubing.
 - Hold air/water syringe over a container and depress the water button until no water is coming out.
 - Move water toggle valve to right side and depress the water button on the syringe again.
- **Drain Air Regulator.**(Fig. 3)
- **Drain Condensation from Air Tank.** (Fig.3)
- **Clean System**
 - Disinfect handpieces according to manufacturer's instructions.
 - Clean the exterior surfaces with a clean, lint free cloth, dampened with disinfectant. Do not drip any liquid into open vents, plugs or connectors. Dry the surfaces with a clean cloth or paper towel.
- **Perform Waterline Maintenance.** (Fig.5)
Dental unit waterline treatment is important for the health and safety of the patient and all clinic personnel. Due to the long, narrow waterline tubing in dental units, standing water can lead to microbial colonization and biofilm growth. Biofilm is a community of bacterial cells and other microbes that adhere to surfaces and form a protective slime layer. If left untreated these microbes can break off, transferring bacteria to the patient, or even become aerosolized into the clinic environment.

Waterline treatment is necessary to keep the count of heterotrophic bacteria from rising higher than desired levels. The desired level for a specific location should be determined by any local or regional guidelines. Regular monitoring should also take place to ensure that heterotrophic bacterial is not exceeding the desired limit. Monitoring frequency should be established by your facility. As a suggestion, Midmark would recommend that you begin by monitoring on a monthly basis, and make adjustments to the frequency based on test results.

Treatment can come in many forms.The most popular methods on the market currently are tablets and straw/cartridge based systems. Midmark recommends the use of DentaPure by Hu-FriedyGroup, part number DP365B. Refer to the manufacturer's instructions for use.

Extra flushing may be needed within Midmark equipment when tablets are used. Undissolved tablet particles can gather over time in places within the waterlines, obstructing the line and causing water flow to slow. By flushing the waterlines, water flow is maximized and should push any undissolved particles through.

002-10426-00
Annual Maintenance Kit Includes:

-  **Bronze Muffler**
-  **Filter for Plastic Muffler**
-  **Regulator Filter and O-Ring**

Calling for Service

If service is required, contact Midmark directly:

1.800.Midmark (1.800.643.6275)
8:00 am until 5:00 pm Monday through Friday (ET)



- Français : Référez-vous à www.midmark.com
- Deutsch: Siehe www.midmark.com
- Italiano: fare riferimento alla www.midmark.com
- Español: Refiera a www.midmark.com

To register your product warranty go to www.Midmark.com.

Midmark Corporation
60 Vista Drive
Versailles, OH 45380-0286
Phone: 937.526.3662
Fax: 937.526.5542
www.midmark.com



Operating and Care Guide
Midmark 1000

Model Number:
Serial Number:

Dealer Information:

Purchase Date:

The operation of the Midmark 1000 is restricted to use by veterinary professionals.

This guide outlines basic care and maintenance of the Midmark 1000. The enclosed User Guide provides additional instructions on operation and care. If service is required, contact your authorized Midmark dealer.



Equipment Alert

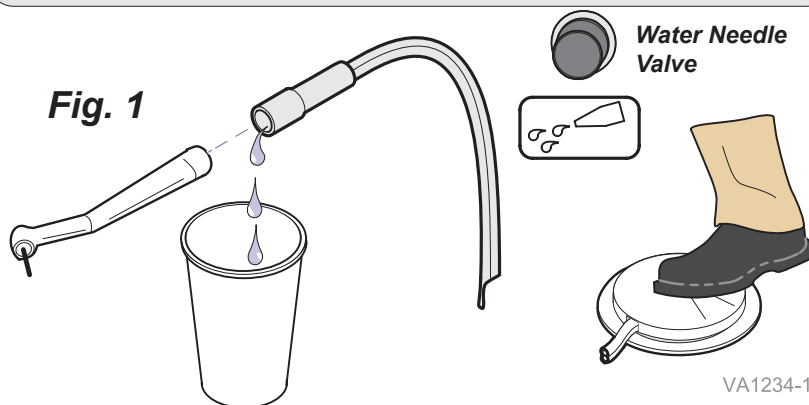
Between each procedure complete manufacture's instructions for "Infection Control / Sterilization found in the documentation included with the handpieces. Replace any non-diamond burs before each procedure, failure to do this will cause premature failure of handpieces.

Flush System.

- Remove all handpieces that use water.
- Open water needle valve.
- Hold end of tubing over a container and depress foot control.
- Allow water to run 20 to 30 seconds.
- Install newly disinfected handpieces.
- Refill water bottle.

Note: When performing waterline maintenance procedure at the end of the day refer to Fig. 5.

Fig. 1



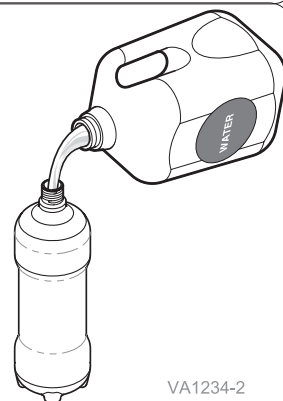
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Fill Water Bottles.

- Move water bottle toggle to center.
- Remove water bottle and fill. (Distilled Water Is Recommended)
- Replace water bottle and move toggle toward filled water bottle.

Note: Water bottles should be checked in between each patient and filled if necessary.

Fig. 2



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Perform Waterline Maintenance

Follow chosen treatment system manufacturer's instructions for use.

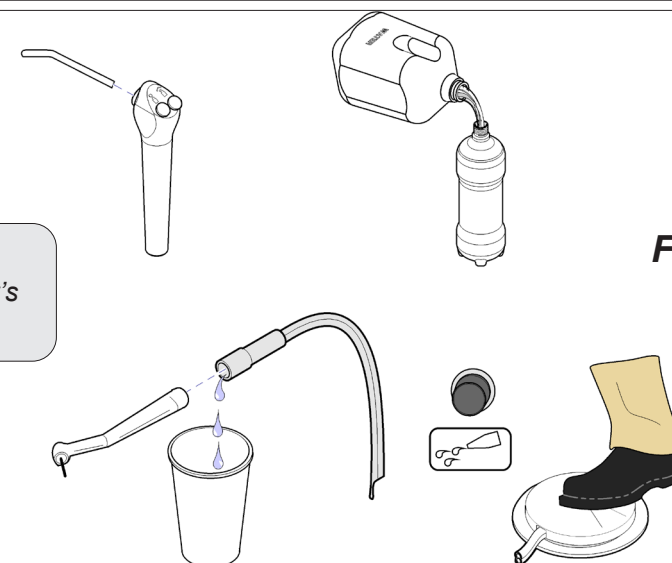


Fig. 5

Drain Air Regulator.

Place cloth under regulator and depress button until no water comes out.

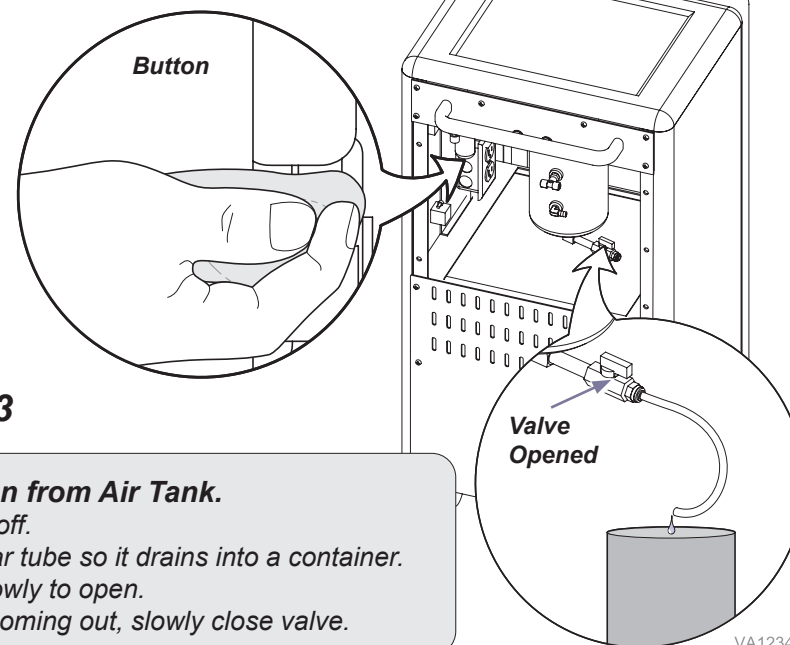


Fig. 3

Drain Condensation from Air Tank.

- Turn power switch off.
- Position end of clear tube so it drains into a container.
- Turn drain valve slowly to open.
- When no water is coming out, slowly close valve.

Air and Water Adjustments.

- Rotate water needle valve until desired flow is achieved. *Scalers Only* - Adjust needle valve until you get a fine mist. If you're getting a stream, tighten tip.
- Adjust drive air using a screwdriver.
- Move toggle toward water bottle that will supply water.

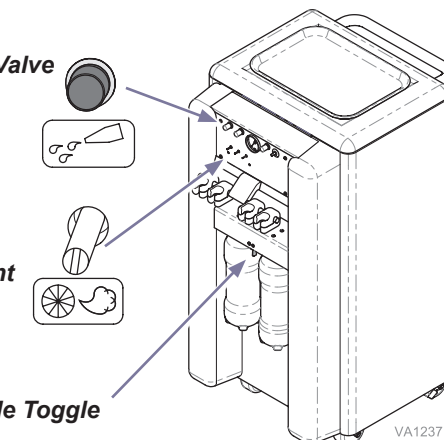
Note: Increase flow turn valve CCW, CW to decrease.

Water Needle Valve

Fig. 4

Drive Air Adjustment

Water Bottle Toggle



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