

**Committed to Innovation**

# Control Unit and Cart Frame Operation and Features

## Controls

**Lockout toggles** are located on the automatic handpiece holders. When the toggle is in the “on” position (toward the red dot), the handpiece will activate when you pick it up. Speed is then controlled by applying pressure to the foot control disc.

When the toggle is in the “off” position, the handpiece will not activate.

The positions of the handpiece holders are adjustable. See the section below on adjustments.

The **drive air pressure gauge** is on the left side of the control panel.

The **water coolant on-off toggle** is on the right side of the panel.

**Water coolant flow control knobs** are on the underside of the control unit. The adjustment knobs are positioned in the same left-to-right order as the automatic handpiece holders.

**Adjustment screws for drive air pressure** are inside the control unit, on the control block. See the section below on adjustments.

## Syringe

Tubing connections for the standard syringe have been made inside the control unit. The syringe is packed in a shipping envelope, with instructions and a repair kit attached. Place the syringe in the far left holder on the tool bar.

## Foot Control

Pressure to any part of the foot control disc provides drive air to the selected handpiece. Air coolant is also activated by stepping on the foot control disc.

# Cleaning and Maintenance

## Note

**Do not use powdered cleansers, scouring pads, or abrasive scrubbers on any of the finished metal surfaces in this unit (for example, the syringe, the foot control disc, or the cart frame). Sodium Hypochlorite will also damage these surfaces.**

## Control Unit and Cart Frame

The control panel, cart top and other control unit surfaces can be cleaned with most commonly available surface disinfectants. Do not use Sodium Hypochlorite, or any cleansers containing large concentrations of alcohol. These may cause discoloration on the painted and finished metal surfaces of the control head and cart frame. Do not use abrasives on the cart frame. They may damage the metal finish.

## System Flush

The Center for Disease Control and the American Dental Association can provide recommendations on when to flush your system, and for how long.

# Adjustments

## Handpiece Holders

Each handpiece holder is attached to the tool bar with two set screws, located on the underside of the holder. To reposition a holder, loosen the set screws, move the holder to the desired location, and retighten the set screws. You will need a 3/32” hex key.

## Cart

The height of the control unit can be adjusted. Loosen the knob on the upright post of the cart frame. Raise or lower the control unit as desired, and retighten the knob firmly. **Make sure the weight of the control unit is supported when you loosen the knob on the post.**

## Note

**All of the following adjustments should be made with a bur in the handpiece. Running a handpiece without a bur installed can damage the handpiece.**

## Drive Air Pressure

You will need a small, flat blade screwdriver to make these adjustments.

Install a bur in the handpiece you wish to adjust. Place the lockout toggle for this handpiece in the active position. Turn the water coolant toggle to the “off” position.

Lift the cover on the control unit and locate the control block.

The Drive Air adjustment screws are located on top of the control block. They are in the same order, from left to right, as the handpiece holders.

Position the screwdriver in the adjustment screw for the handpiece you are adjusting.

Press on the foot control disc until the handpiece is running at maximum speed.

Turn the adjustment screw counterclockwise until the pressure gauge reads a little more than the recommended pressure. Then turn the screw clockwise until the gauge indicates the recommended pressure.

Repeat this procedure for the other two handpieces.

## Water Coolant

Turn the water coolant on-off toggle to the “on” position (toward the blue dot).

Activate the handpiece you wish to adjust by turning the toggle on the handpiece toward the red dot.

With a bur in the handpiece, press on the foot control until the handpiece is running at half speed. Turn the water coolant flow control knob for this handpiece to provide a fine mist of water around the bur. Very little water coolant is required.

Repeat this procedure for the other two handpieces.