

# ALTERNATIVE #4416 AUTOMATIC TABLE-TOP CONTROL FOR THREE HANDPIECES

## Operating Instructions



### OPERATION AND FEATURES

#### CONTROLS

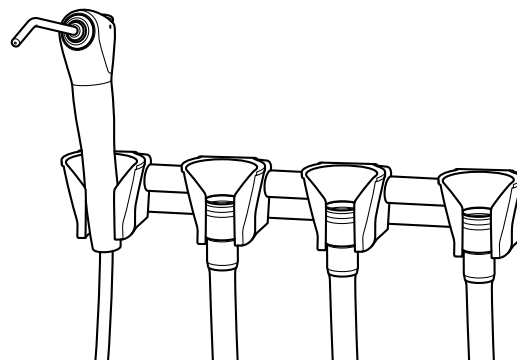
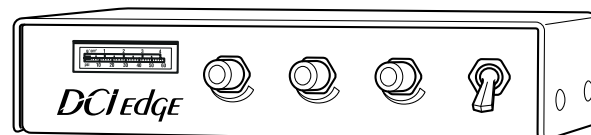
The master *on/off toggle* controls air to the entire control system. It is located on the right front of the automatic table-top control.

The *drive air pressure gauge* indicates the operating pressure of the selected handpiece. It is located on the left front of the automatic table-top control.

The *water coolant flow control knob*, one for each handpiece, controls water to the active handpiece. They are located on the front of the automatic table-top control, to the right of the drive air pressure gauge.

The *water coolant on/off toggle* controls the air signal to the water coolant relay. It is located on the standard foot control; the on position is with the toggle toward the blue dot.

The *drive air adjustment screws* are located on the Tri-block inside the automatic table-top control. Handpiece drive air pressures should be adjusted to the handpiece manufacturer's recommendation. See the section on adjustments.



#### SYRINGE

The #4416 comes with a Precision Comfort syringe. The syringe is packaged in a shipping envelope, with operating instructions and a repair kit attached. The syringe goes in the holder on the far-left side of the instrument holder bar.

#### FOOT CONTROL

The foot control is a standard disc style with wet/dry toggle. Handpiece speed is controlled with the foot control disc. Varying pressure on the foot control disc controls speed. Air coolant is also provided when you step on the foot control disc.

#### AUTOMATIC TABLE-TOP CONTROL

The automatic table-top control can be cleaned with most commonly available surface disinfectants. Do not use any Sodium Hypochloride solutions, or any cleansers containing alcohol. These may cause paint and finish discoloration.

#### DENTAL UNIT WATER LINE MAINTENANCE

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

## ADJUSTMENTS

### SYRINGE BLOCK

Syringe adjustment screws are located in the back left corner on the bottom of the automatic table-top control.

Use the 3/32" hex key provided with the control to make the adjustments. Turn the screws clockwise for less flow, counterclockwise for more flow. As you face the control unit the adjusting screw for air is on the right, and the adjusting screw for water is on the left.

### HANDPIECE DRIVE AIR OPERATING PRESSURE

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

Refer to the manufacturer's literature to determine the recommended drive air operating pressure for your handpieces.

You will need a small blade screwdriver to make these adjustments. Install a bur in the handpiece to be tested.

The master on/off toggle must be in the on position. Place the water coolant on/off toggle on the foot control in the off position (away from the blue dot). The handpiece will operate automatically when removed from the automatic handpiece holder. Step on the foot control disc until the handpiece is running at maximum speed. Drive air pressure adjustment screws are located on the top of Tri-block, order is facing front of panel, left to right, with #1 being on the left, #2 in the middle and #3 on the right. The handpiece holders are mounted on the holder bar in the same order, with #1 being to the right of the syringe holder. Turn the drive air adjustment screw counter-clockwise until the drive air pressure gauge reads a little more than the recommended operating pressure. Then turn the screw until the pressure gauge indicates the recommended operating pressure. The handpiece drive air operating pressures should be adjusted in accordance with the manufacturer's recommendation. Repeat this step for the remaining handpieces.

### HANDPIECE WATER COOLANT ADJUSTMENT

Place the water coolant on/off toggle on the foot control in the on position (towards the blue dot). Install a bur in handpiece being adjusted. Press on the foot control disc until the handpiece is running at half operating speed. Adjust the water coolant flow control knob (same order left to right as handpiece positions on mounting bar) until a fine spray is present around the bur. Very little water coolant is required to attain the appropriate spray pattern.

### CLEANING AND MAINTENANCE

*Do not use powdered cleansers, scouring pads, or abrasive scrubbers on any of the finished metal surfaces in this unit, i.e. the syringe or the foot control disc. Sodium Hypochloride will also damage these surfaces.*