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Technical Guideline

Replacing Standard Micro Irrigator Connector Valves

TG-95-0234

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WARNING! Only qualified personnel should service or repair this device. This device should only be serviced/repaired by a qualified service technician who is proficient in the repair of electromechanical dental equipment and who understands the complexities and risks of working within the device and observes proper safety precautions.



CAUTION! The irrigation system may contain chemicals that are caustic or corrosive. Always verify with the operator of the system to determine which chemicals they are using within the system. Always follow workplace safety protocols when doing maintenance or service of the system including the wearing of face mask, eye protection and gloves for proper protection of exposed skin, breathing and eyes.

PARTS INCLUDED

- Standard Irrigation Connector Valve

TOOLS REQUIRED

- Side cutters or scissors

INSTRUCTIONS

1. Turn off main power to the unit.
 2. Switch toggle "OFF" for the irrigation bracket system.
 3. Unscrew the bottle slightly to relieve compressed air in system.
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4. Unthread nut to irrigator handpiece body. Remove from the Connector Valve. (Fig. 1; Fig. 2)



Fig. 1



Fig. 2

5. Slide nut down the beige tubing. Using side cutters or scissors, snip a corner cut where the beige tubing and barb of the Connector Valve meet. (Fig. 3; Fig. 4)



Fig. 3



Fig. 4



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6. Remove Connector Valve from tubing. (Fig. 5)



Fig. 5

7. Using side cutters or scissors, snip beige tubing flush below where corner cut was made. (Fig. 6)



Fig. 6



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8. Attach new Connector Valve to beige tubing by sliding tubing over barb. (Fig. 7)



Fig. 7

9. Lubricate the O-ring on the Connector Valve with Silicone Dielectric Compound (about the size of a Q-tip).

NOTE: Apply with foam tip. Do not use a cotton tip.

10. Reattach the handpiece body to the Connector Valve.

11. Rethread the nut onto the handpiece body.

12. Restore main power to the unit.

13. Turn toggle "ON" to the irrigation bracket system and test for proper function by running water or solution through the micro irrigation handpiece.