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Technical Guideline

Replacing Valve/Irrigator for
Handpiece/Micro and Active Irrigator

TG-95-0192W
95-0245N/95-0245P

Rev B | 29 Sep 2015 | Page 1 of 5



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 electro-mechanical 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

- One (1) Valve/Irrigator

TOOLS REQUIRED

- 11/32" 6-point nut driver
- Foam applicator
- Dielectric silicone compound
- For Round Valve/Irrigator:
 - Small polyethylene bag
 - Pliers

INSTRUCTIONS

The replacement valve is hex-shaped for easy installation. These instructions apply to both previous version handpieces with round valves (in units built prior to 06/26/13) and the current version with hex-shaped valves.

1. Turn off main power to unit.
2. Switch toggle off on irrigation bracket system.
3. Unscrew a bottle slightly to relieve compressed air in system.
4. Unthread nut to irrigator handpiece body. Remove from connector valve.



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Rev B | 29 Sep 2015 | Page 2 of 5

5. Loosen existing valve by unscrewing it approximately three turns counter-clockwise from the body using the 11/32" 6-point nut driver. (Fig. 1)

NOTE: For round button/valve, use a piece of polyethylene bag with a hole punched in the center, placed around the valve to prevent the pliers from scratching the handpiece. Once the pliers are applied and gripped, slowly turn counter-clockwise to unseat. Once unseated, they can be discarded and replaced with a new button/valve using the 11/32" nut driver. (Fig. 2)



Fig. 1

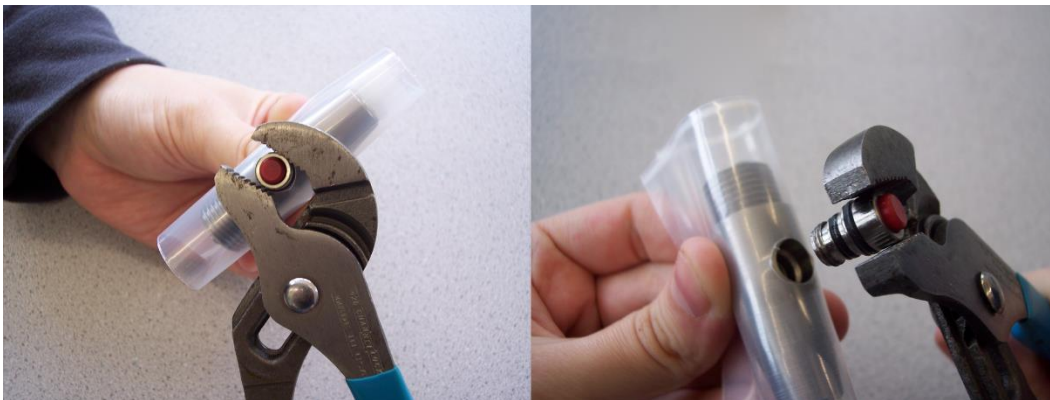


Fig. 2

6. While firmly gripping the valve body, pull straight up to remove from the handpiece. (Fig. 3)



Fig. 3



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Rev B | 29 Sep 2015 | Page 3 of 5

7. Thoroughly clean and dry the handpiece using a wipe. (Fig. 4)

NOTE: For handpieces that have a dry buildup, soak in warm water to loosen the scale.



Fig. 4

8. Using a foam applicator swab, apply Dielectric Silicone Compound to all inside features of the handpiece body including the threads. (Fig. 5)



Fig. 5



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Rev B | 29 Sep 2015 | Page 4 of 5

- Using a foam applicator swab, apply Dielectric Silicone Compound lubricant to the O-rings on the exterior of the new valve. (Fig. 6)



Fig. 6

- Using the 11/32" 6-point nut driver, thread the new valve into the handpiece clockwise until it is lightly seated in the handpiece. (Fig. 7)



Fig. 7

- Wipe excess lubricant off of the handpiece body. (Fig. 8)



Fig. 8

- Reconnect handpiece body to connector valve attached to tubing. Rethread nut onto handpiece body.



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Rev B | 29 Sep 2015 | Page 5 of 5

13. Purge valve, using water in irrigation bracket system bottle to ensure proper function, checking for leaks through the handpiece and around the valve. (Fig. 9)

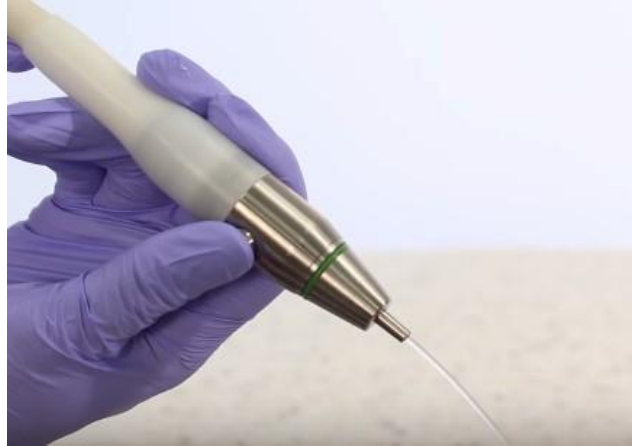


Fig. 9