

YOUNG™

HYGIENE HANDPIECE

QUICK USE GUIDE

1. Sterilize handpiece before first use
2. Connect to low speed motor
3. Check for air pressure between 40-45 PSI
4. Attach Young Disposable Prophy Angle
5. Lubricate and sterilize handpiece after use

Instructions for Use

General Information

Important: The Food and Drug Administration and Centers for Disease Control and Prevention strongly recommend that reusable dental devices be sterilized before each patient use.

Intended Use: Used for intraoral polishing of teeth. Low speed handpieces are reusable, sterilizable medical devices used in the periodontal cleaning and polishing of teeth as well as general dental work by trained dental professionals.

Caution:

- Wear a mask, gloves and protective eyewear when handling contaminated instruments.
- The device provided to you is not sterile. Sterilize the device before your first use.
- Normal air pressure at the connector should be 40-45 PSI. Do not operate the handpiece above 45 PSI.
- Disposable-type prophy angles can be used with the Young Hygiene Handpiece. Metal prophy angles or other metal drive shafts are not recommended.
- Lubricate and maintain your handpiece in accordance with the instructions. Proper care and maintenance will extend the life of your new handpiece.

Handpiece Connection and Operation

- The device provided to you is not sterile. Sterilize the device before your first use.
- Prior to connecting the handpiece, please review the following:
 - The tubing is properly connected to the air source.
 - The water feature on the unit is disabled.
 - Air pressure at the handpiece connection has been set to 40-50 PSI.
 - The nosecone has been properly assembled with the handpiece (Figure 1).

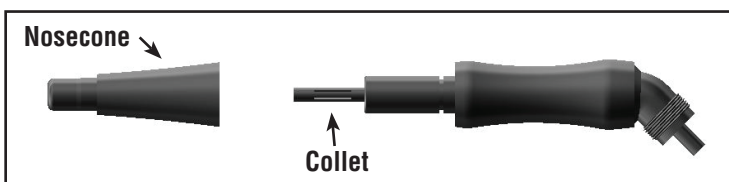


Figure 1

- Attach the handpiece to the tubing connector:
 - Lubricate handpiece with one or two drops of Champ-Lube™ 20+. Place the lubricant cleaner in the drive air hole at the back of the handpiece (Figure 2).
 - Attach the threaded connector on the tubing set to the mating connector on the handpiece.
 - Ensure the small metal tubes entering from the rear of the handpiece are properly nested in the matching holes of the tubing fitting and the gasket is in place.
 - Ensure handpiece is firmly installed on the tubing connector.
 - An air leak will be apparent if the motor is improperly connected and the handpiece will not run at the correct RPM.

Handpiece Connection and Operation (continued)

- Attach the disposable sterile barrier and disposable-type prophylaxis angle to the handpiece:
 - Place disposable sterile barrier over the device as indicated by the barrier instructions.
 - Metal prophylaxis angles or other metal drive shafts are not recommended.
 - Ensure the proper shaft diameter of 3/32 inch (2.35mm) is used.
 - When inserting a prophylaxis angle, align the notch of prophylaxis angle with the locator pin on the outside of the friction grip chuck, and ensure they mate properly. Push the prophylaxis angle into the nose of the handpiece until the angle is completely seated.
 - Refer to the prophylaxis angle manufacturer's data sheet for proper use and installation.
 - Ensure the prophylaxis angle is fully seated in the chuck.
- Complete prophylaxis polishing procedure as needed.

Port Configurations

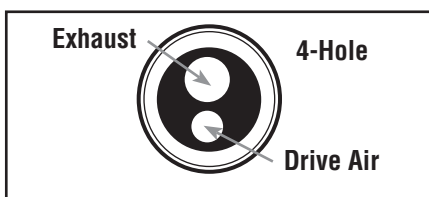


Figure 2

Infection Control/Sterilization

Instructions for Steam Sterilizing the Young Hygiene Handpiece

Warnings:

- These instructions are for use ONLY on the Young Hygiene Handpiece. Any other reusable systems should be reprocessed according to individual device's instructions for use.
- Wear a mask, gloves and protective eyewear when handling contaminated instruments.
- The device provided to you is not sterile. Sterilize the device before your first use.
- It is important your handpiece be properly sterilized and lubricated at all times. Proper care and maintenance will extend the life of your Young Hygiene Handpiece.

Limitations on Preprocessing:

- Do not use an automatic washer/disinfector for the Young Hygiene Handpiece. Discoloration of the material may occur.
- Repeated cleaning, lubrication and steam sterilization cycles have minimum effect on these instruments, and are essential to long bearing life. End of life is normally determined by wear and damage due to use.
- Do not use cold sterilants, or solutions containing phenols, acids or chlorines prior to sterilization or rapid deterioration of the material may occur.
- Never sterilize the Young Hygiene Handpiece in cold liquid disinfection/sterilization, chemical vapor sterilization or dry heat sterilization. These methods have not been tested or validated for efficacy and are not recommended for use.
- Do not totally submerge the Young Hygiene Handpiece in water or solutions. Do not immerse the device in an ultrasonic bath.
- Lubricate the handpiece with one or two drops of Young Handpiece lube. Place the lubricant cleaner in the drive air hole at the back of the handpiece (Figure 2).
- Never sterilize with a disposable prophylaxis angle or disposable sterile barrier sleeve still assembled with the handpiece.
- Do not let the Young Hygiene Handpiece remain in a pouch under wet or damp conditions after sterilization. Such conditions can result in corrosion of internal parts and shorten the life of the handpiece.

Infection Control/Sterilization (continued)

Point of Use:

- It is recommended that devices are reprocessed as soon as is reasonably practical following use.
- Remove the Young Hygiene Handpiece from the air hose.
- Remove the prophyl angle from the handpiece.
- Remove the disposable sterile barrier from the handpiece.
- For convenience, the nosecone is removable for easy access to the collet (Figure 1).
- Clear away debris from the collet by removing the nosecone, wiping the collet with a disposable cloth, and blowing air through the slots.
- Manually remove all visible soil, such as saliva, from the handpiece and nosecone with a disposable cloth or paper wipe.

Containment and Transportation:

- Protect the device from contact with other dental instruments that may cause damage.

Preparation for Decontamination:

- Only process the Young Hygiene Handpiece according to these guidelines. Any other components (e.g. air hose) must be reprocessed according to its product guidelines.
- Lubricate the handpiece with one or two drops of Champ-Lube™ 20+. Place the lubricant cleaner in the drive air hole at the back of the handpiece (Figure 2).
- Connect the handpiece to an air source or attach to a purge unit. If connected to an air source, point the handpiece toward the floor and hold over a paper towel.
- Run the handpiece at full speed for 30-40 seconds, or until all excess lubricant is expelled.
- Any excess lubricant remaining on the surface of the handpiece should be removed with a 2" x 2" gauze sponge.
- Before cleaning or autoclaving, verify that the disposable prophyl angle and disposable sterile barrier have been removed from the handpiece.

Cleaning Manual:

- Generously apply running tap water to wet a clean cloth.
- Thoroughly wipe the Young Hygiene Handpiece and removable nosecone with the wetted cloth:
 - Using a soft bristle brush, brush the handpiece until all visible soil is removed. Brush the inside and outside area of the nosecone until all visible soil is removed. Particular attention should be given to areas that may come in more contact with the patient or appear to be stained.
- Rinse the handpiece and nosecone under portable running tap water for a minimum of 30 seconds to remove solution residue.
- Dry the handpiece and nosecone using a clean cloth.
- Visually inspect the handpiece and nosecone for visible soil. If soil is seen, repeat the cleaning procedure.

Disinfection:

- Do not attempt to disinfect the device. Sterilize only.

Packaging:

- Place each Young Hygiene Handpiece in a separate paper/plastic steam-sterilizing pouch.
 - The handpiece and nosecone may be placed in separate bags, or one nosecone may be assembled with the handpiece before being placed in a single bag.

Steam Sterilization:

- Place bagged devices into an ANSI AAMI ST55 or ST8 compliant steam autoclave according to the manufacturer's instructions. The following settings should be used:
 - Gravity Steam Sterilization
 - Full Cycle: 135°C (275°F) for 10 minutes.

Infection Control/Sterilization (continued)

Drying:

- To dry, use the drying cycle of the steam autoclave. Set cycle for 60 minutes. Do not exceed 137°C (278°F).
- After removing the devices from the autoclave, allow the devices to return to ambient room temperature before use.

Maintenance:

- Visually inspect items to ensure that all contamination has been removed.
- Check for distortion, damage or wear. Contact Young Dental customer service if devices are damaged or worn.
- ISO 14457 stipulates a durability of at least 250 sterilization cycles. It is recommended that the Young Hygiene Handpiece be supplied to an authorized service representative for regular service after 600 sterilization cycles or one year of use.

Storage:

- To maintain sterility, instruments should remain bagged until ready for use.

Manufacturer Contact:

- In the United States, contact Young Dental customer service at 1-800-325-1881.

Warranty

Your Young Hygiene Handpiece is warrantied to the original purchaser against defective workmanship and materials under normal installation, use and service for two years. For repairs, contact your dental dealer for repair authorization from Young. This will ensure your repair is processed in a timely manner. Warranty handpieces will be fixed accordingly and then promptly returned to the dentist; non-warranty repairs will require a repair estimate approval/denial.



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