Autoclavable Highspeed Handpiece Operating Instructions

Important
Before operating handpiece, carefully read & follow these directions.

Lubricate your handpiece before installing on your unit using American Dental Accessories Pro Lube+ or a similar approved lubricant. With a bur or bur blank in place, put two or three drops of lubricant in the drive air port of the handpiece & run handpiece for 30 seconds to distribute lubricant.

Operation
The American highspeed handpiece delivers maximum speed & torque when operated with clean, filtered, moisture free air. Recommended operating pressure is 30 to 35 P.S.I.

The American Highspeed handpiece attaches to a standard 4 or 5 hole screw-on coupling. After attaching handpiece to your unit, install a bur as follows:

Wrench Chuck
Place the front of the bur wrench provided with the handpiece over the front of the handpiece. The bur wrench has a square notch which will fit over the front of the turbine spindle which protrudes from the front of the handpiece. The square shaft of the bur wrench can then be inserted into the back end of the handpiece head to loosen the chuck by rotating counter-clockwise. Insert bur fully into loosened chuck. Tighten chuck by rotating bur wrench clockwise until snug. Gently pull on bur with fingers to assure it is secured.

Push Button
Depress & hold end cap button to open chuck. Insert bur fully into turbine & release button to close chuck on the bur. Gently pull on bur with fingers to assure it is secured.

With bur secured, test handpiece for proper function. Using gauge on your delivery system, verify drive air pressure is 30-35 psi. Adjust air & water coolant as desired for correct coolant spray pattern. If handpiece performs abnormally, re-install bur & check bur for damage. If bur is bent or otherwise damaged, replace. If bur is intact & securely seated in turbine & handpiece still performs abnormally set aside. DO NOT USE ON A PATIENT until you are able to return handpiece to proper performance.

Maintenance
After each use on a patient, the handpiece should be cleaned with a handpiece cleaner such as American Dental Accessories Pro Kleen by dropping a few drops in the drive air hole & running the handpiece until all debris has been flushed. It is best to have a dedicated flushing system in the sterilization area for this purpose & to avoid contaminating your equipment.

Sterilize the handpiece in a chemical vapor or steam sterilizer at or below 275° F. Do not leave the handpiece in the sterilizer to dry, handpiece should be air dried outside the sterilizer.

After sterilization, allow handpiece to cool completely & lubricate as indicated below:

If necessary, exterior of handpiece may be cleaned with a mild detergent & a soft toothbrush. After cleaning, wipe with a damp paper towel & then dry with a fresh towel.
Precautions:
The following precautions MUST be observed to preserve the warranty on the replacement turbine:

1. Always keep drive air pressure below 35 P.S.I.
2. Do not autoclave above 275° Fahrenheit (135° C). Your sterilizer should be checked monthly to verify correct operating temperature.
3. Do not sterilize with dry heat
4. Do not run without a bur or bur blank securely in the turbine.
5. Do not run handpiece unless bur is fully seated in the turbine.
6. Always remove the bur or bur blank prior to sterilization to prevent damage to the chucking mechanism.
7. Never use any type of disinfectant or cold sterilant on the turbine.
8. Do not submerge handpiece in running water or an ultrasonic cleaner (Exception: handpiece may be ultrasonically cleaned if the turbine has been removed for replacement).
10. Never activate the chuck while a handpiece is running, & do not use a handpiece for retraction.
11. Warranty on turbine is six months.
12. Warranty on handpiece shell is one year.
13. Warranty does not cover misuse or abuse. For warranty claims turbine & handpiece should be sent to American Dental Accessories, Inc. for repair or replacement at our option. No other warranty is expressed or implied.