

GETTING STARTED

SYSTEM REQUIREMENTS

1. AIR/WATER REQUIREMENTS

The Impact Air 45 High Speed Handpiece should always have dry filtered air or nitrogen and filtered water supplies. Periodically check and maintain your air filter and dryer to ensure a steady supply of clean, moisture-free air. This may prolong the life of the bearings.

2. PRESSURE

The recommended drive air pressure for the Impact Air 45 High Speed Handpiece is between 32psi and 40psi. Proper drive air pressure is essential for optimal handpiece performance.

NEVER OPERATE this handpiece at HIGHER PRESSURE than the maximum 40psi recommended. Doing so may shorten the life of the bearings and will void warranty.

3. CLEANING

NEVER immerse or soak handpiece and/or turbine in water-based cleaner, chemical disinfectant, ultrasonic cleaner, or cold sterilization solution.



**FAILURE TO FOLLOW THESE CLEANING PROCEDURES
MAY LEAD TO PREMATURE TURBINE FAILURE AND
WILL VOID WARRANTY.**

SAFETY & DISINFECTION / AUTOCLAVING

DIAGRAM A
Impact Air 45
Turbine

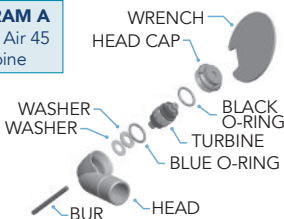


DIAGRAM B
Impact Air 45 Turbine

NOTE: The chuck is not removable.

AFTER EACH USE, THE HANDPIECE SHOULD BE CLEANED AS FOLLOWS:

TO CLEAN THE EXTERIOR OF THE HANDPIECE:

- Wipe with damp sponge or brush to remove debris.

TO DISASSEMBLE AND CLEAN THE INTERIOR OF THE HEAD:

- Make sure a bur is in place prior to disassembly.
- Fit the head cap wrench, provided with the handpiece, into the slots of the head cap. Turn the wrench counter-clockwise to loosen and unscrew the head cap.
- Remove turbine from head. If turbine stays with head cap, separate these two parts with a gentle pull.
- If turbine does not come out with head cap removal, push turbine out through the rear, using the bur.
- INSPECT interior of head carefully to ensure that all turbine components, such as the two washers and the front, blue O-ring, have been removed. Clean interior of the head with Isopropyl Alcohol (I.P.A.) using a bristle brush and/or swab. DISCARD AND REPLACE any O-rings that are hardened, no longer supple, or that allow loose movement of the turbine in the head or head cap, or vibration during running. DISCARD AND REPLACE any washers that are worn. After cleaning, ensure that the interior of the head is dry, clean and free of debris.

TO CLEAN THE HEAD CAP:

- Prior to cleaning, inspect the head cap to ensure that the turbine's rear, black O-ring has been removed. If it is present, carefully remove the O-ring. Using I.P.A. with a bristle brush and/or swab, clean the head cap. Ensure that the head cap is clean and dry.

TO CLEAN THE TURBINE (REFER TO DIAGRAM A):

- Hold the turbine by the bur.
- Gently clean all exterior surfaces of the turbine using I.P.A. and a bristle brush.



SAFETY & DISINFECTION / AUTOCLAVING (CONTINUED)

TO CLEAN THE SPINDLE:

- Remove the bur by placing the turbine on a hard, flat surface, chuck side down and press the turbine down to release the chuck. Gently remove the bur and set aside.
- Insert a pipe cleaner dampened with I.P.A. into the spindle hole as far as possible and twist (refer to Diagram B).
- Remove pipe cleaner from spindle and wipe debris from, or trim, pipe cleaner. Repeat until pipe cleaner comes out clean.
- Alternatively, use I.P.A. in a squirt bottle to rinse the spindle. *Note: This will not clean out the spindle as thoroughly.*

REASSEMBLY AFTER CLEANING & STERILIZATION (REFER TO DIAGRAM A):

- Insert the bur back into turbine by placing the turbine – bottom side down – against a hard, flat surface. Insert a bur into the spindle hole as far as it will go. Grip turbine, push down against the surface, and slide the bur in completely.
- Apply one drop of Impact Air 45 Autoclavable Lubricant to each of the bearings.
- Slide the rear, black O-ring onto the rear bearing.
- Slide the front, blue O-ring onto the front bearing (bur end).
- Slide the two washers, in either order, onto the bur end of the turbine, flush against the front bearing.
- Lubricate the head cavity with Impact Air 45 Autoclavable Lubricant.
- While holding the turbine with the bur end facing upward, carefully insert the turbine assembly completely into the head with gentle pressure.
- Push turbine into the interior of the head using the bur to guide it into the center of the hole. As the turbine begins to seat, apply firm pressure with a wobbling motion to seat the front, blue O-ring. The end of the rear bearing should be flush with the open end of the head chamber.
- Using your fingers, carefully screw the head cap back onto the rear of the head and tighten with the head cap wrench. Do not force the head cap. If resistance is experienced, refer to the [Troubleshooting](#) section of the IFU (starting on page 16).

STERILIZATION

- **DO NOT AUTOCLAVE with bur in chuck.**
- Follow cleaning instructions listed in [Cleaning](#) prior to sterilizing handpiece. The handpiece could be damaged if it is not properly cleaned and lubricated before autoclaving.
- A wrapped handpiece should be steam sterilized as listed on page 10 of the IFU.

LUBRICATION

- Follow the [Lubrication](#) Instructions on page 11 of the IFU to lubricate the handpiece and turbine PRIOR TO AUTOCLAVING.

HOSING CONNECTIONS/COUPLERS

All Impact Air 45 High Speed Handpieces are compatible with all three of these hosing connections. Quick Disconnect and Fiberoptic Handpieces may require an additional adapter.



I.S.O. Type C (6 Pin)
(with adapter)



I.S.O. Type B
(4 Hole)



I.S.O. Type A
(5 Hole)

Still need help? Contact our Customer Service team at the number below.

PARTS & SERVICE

We don't just sell Impact Air 45 High Speed Handpieces – we also have all the burs, cleaning supplies, and any other parts to complete your setup!

View more at vistaapex.com/impact-air
FOR SERVICE, MAINTENANCE OR
REPAIRS CALL: 1-877-418-4782



Refer to User's Manual for detailed instructions.

RAW-40-494 (2)



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262-636-9755 Inside US | 877-418-4782 Outside US and Canada

Please scan this QR code to register your
Impact Air 45 High Speed Handpiece

