



BRASSELER USA
DENTAL INSTRUMENTATION

LS22K Air Motor

LS|22K

Please read this Operation Manual carefully
before use and file for future reference.



: AUTOCLAVABLE

OM-MR063E 001

 **Caution**

- When operating the airmotor always consider the safety of the patient.
- Should the airmotor function abnormally, cease operation immediately and return the airmotor to Brasseler USA for repair.
- Do not disconnect the handpiece until the airmotor has completely stopped.
- Do not disassemble unless otherwise instructed nor alter the airmotor.
- Do not drop nor hit airmotor against hard object.
- Always check for vibration, heating, noise and sluggish operation before use in the patient's mouth. If such abnormality is found, stop use and contact Brasseler USA

1. Features

- Various E-type (ISO-3964 Compatible) attachments are adaptable.
- The motor is Autoclavable.
- Specially-coated cylinder provides outstanding durability.
- Selection of Forward or Reverse Rotation, or Stop is achieved at the motor.

2. Specifications

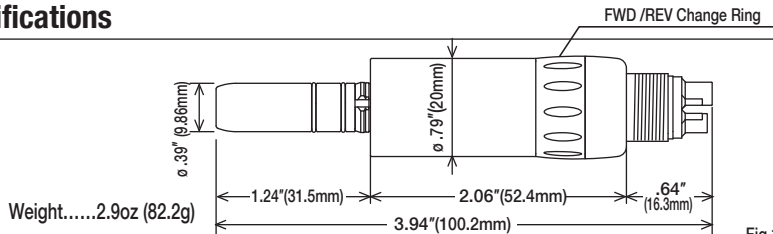


Fig.1

Speed and Air Consumption Rate by Drive Air pressure.

Drive Air (psi (bar))	Speed (min^{-1} (rpm))	Air Consumption (cfm)
35.6 (2.5)	22,000	1.5
42.7 (2.9)	25,000	1.8
56.9 (3.9)	27,000	2.5

※ Speed may vary slightly depending on the back-end configuration, the direction of rotation and/or type of hose used.

3. Mounting of Attachment

(1) Mounting of Attachment

Insert the E-type attachment on the motor insert.

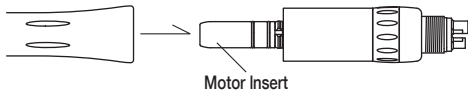


Fig.2

(2) Removing the Attachment

Pull out the attachment from the motor.

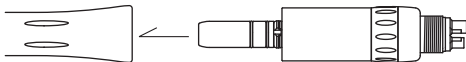


Fig.3

4. Forward/Reverse Rotation

- (1) Forward Rotation : Turn the FWD/REV Change Ring to“F”as shown in Fig.4.
- (2) Reverse Rotation : Turn the FWD/REV Change Ring to“R”as shown in Fig.5.
- (3) When the FWD/REV Change Ring is positioned at the middle of“F”and“R”, the drive air is interrupted and the motor does not rotate. (Fig.6)

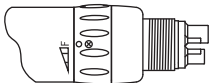


Fig.4

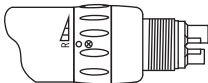


Fig.5

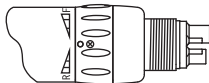
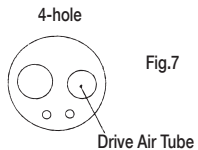


Fig.6

5. Lubrication

Disconnect the motor from the handpiece hose, and supply a few drops of spray for a few seconds into the drive air tube at the back end of the motor as shown in Fig.7.



6. Sterilization

The LS-22K motor is autoclavable.

Sterilization is required the first time you use and after each patient as noted below.

■ Autoclaving Procedure :

- 1) Wipe off dirt with alcohol-soaked cloth.
- 2) Lubricate the motor. Use spray.
- 3) Insert in a sterilizing pouch and seal it.
- 4) Autoclavable up to a max. 275°F (135°C).
Ex.) Autoclave for 20 min. at 250°F (121°C), or 15 min. at 270°F (132°C)
- 5) Keep the handpiece in the autoclave pouch to keep it clean until you use it.

 **Caution**

Do not autoclave the motor, even when it is bagged, together with other instruments, from which chemicals are not sufficiently cleaned. This is to avoid discoloration and/or damage to the plating of the motor.

7. Warranty

Brasseler USA warrants the handpiece against defects in manufacturing, workmanship and materials. Brasseler USA reserves the right to analyze and determine the cause of any problem. Warranty is voided should the handpiece not be used in accordance with this manual.

*Specifications may be changed without notice.

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in Dentistry



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