

INSTRUCTIONS FOR USE

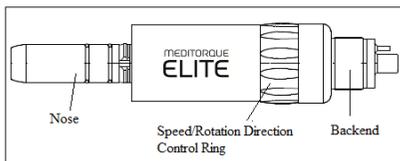
MEDITORQUE
ELITE
... by medidenta ...

ME-EM E-type Air-motor

MEDITORQUE ELITE E-type air-motor is intended for use by or for a dental professional only. Read the operation manual before use. Follow all instructions, cautions, etc. mentioned herein.

1. Parts' descriptions and product's specifications

1-1. Parts' descriptions and specifications



Backend configuration	Applicable to ISO standard 4-hole
Nose Configuration	Applicable to ISO standard E-type handpiece
Allowable max. speed	22,000 rpm at 36 PSI (2.46 bar) 25,000 rpm at 42 PSI (2.88 bar)
Speed ratio	1:1 transmission
Sterilization	Autoclavable at 275 degrees F.

Warning:

The air-motor must be used below 25,000 rpm. Do not run the air-motor above 25,000 rpm. Excess air-pressure and excess speed may cause malfunction or premature failure.

1.2. Installation of air-motor onto connector

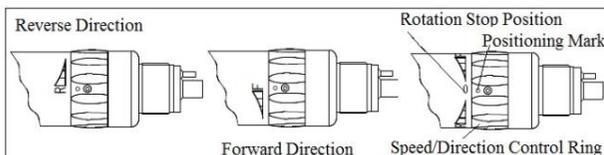
- Align the pipes of the air-motor with the corresponding holes of the tubing connector, and then tighten the nut of the tubing connector.

Caution:

Do not use the air-motor, if the air-motor cannot be installed onto the tubing connector securely. In this case, consult the Medidenta Repair Department.

1-3. Operation

- Set the pressure gauge below 42 PSI (2.88 bar). Make a trial run to make sure that the drive-air is not leaking from between the connecting part of the air-motor and the tubing connector.
- Changes in the speed and the direction can be affected by the speed/rotation/direction control ring.



When the ring is turned in an F direction, the attachment installed onto the air-motor rotates clockwise. When it is turned in a R direction, the attachment rotates counterclockwise.

- The speed can be adjusted by turning the ring.
- The rotation is stopped at the center position between F and R.

2. Installation/removal of nose cone and contra angle (attachment) onto/from air-motor.

Installation:

- Insert the nose of the air-motor into the backend of the attachment all the way until it is securely locked with a snap.

Removal:

- Hold the air-motor with one hand and the attachment with the other hand.
- Pull the attachment out from the air-motor.



Caution:

Do not separate the overlapped hands until the Lock is released.

3. Lubrication

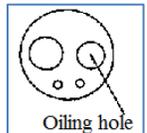
Important:

- Medidenta recommends I-Spray for lubrication. The air-motor, nose cone and contra angle handpiece must be lubricated after each use and each autoclaving.

Caution:

- Neglecting to lubricate or lack of lubricating oil may cause premature failure. This would be considered a misuse and will void the warranty.

- Inject the handpiece spray for a few seconds into the oiling hole (drive-air pipe) as indicated to the right.



4. Sterilization

Important: Medidenta recommend autoclave sterilization only.

- Before sterilization, clean the surface of nosecone. Lubricate them.
- Put it into a sterilization pouch. Autoclave it at 275 degrees F. for 20 minutes.

Warning:

Do not use dry heat sterilization. Do not use cold sterilization.

5. Warranty

Manufacturer warranties the air-motor 12 months. Warranty is subject to observance of the maintenance instructions, cautions, warning and normal use.

Note:

Medidenta and the manufacturer reserve the right to analyze and determine the cause of any failure. Warranty is void, if breakage, accident or any other issues are caused by the neglect of maintenance, cautions, warnings or any other misuse.

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