



Your Direct Source for Endo & Handpiece Solutions

Meditorque “E” Kit

INSTRUCTIONS FOR USE

Read before use. Keep in safe place for future reference.

 **CAUTION:** Federal (US) law restricts this device to sale by or on the order of a licensed professional



This medical device is

- Only intended for dental treatment. Any other type of use or alteration to the product is impermissible and can be hazardous.
- A medical device according to relevant national statutory regulations.

According to these provisions, this medical device may only be used for the described application by a knowledgeable user. The following must be observed:

- the applicable health and safety regulations
- the applicable accident prevention regulations
- these instructions for use

SPECIFICATIONS: Meditorque “E” Motor

Speed (RPM): 0–20,000 RPM

Operating Air Pressure: 35–50 PSI

Attachments Accepted: All ISO certified E type attachments

Connection: 2,3 Hole or 4 Hole



SPECIFICATIONS:	Meditorque 1:1 Contra Angle	Meditorque 4:1 Contra Angle
Max Speed (RPM):	30,000 RPM	5,000 RPM
Gear Ratio:	1:1	4:1
Connection:	E-Type	E-Type



SPECIFICATIONS:	Meditorque 1:1 Nose Cone	Meditorque 4:1 Nose Cone
Max Speed (RPM):	20,000 RPM	5,000 RPM
Gear Ratio:	1:1	4:1
Accepts Burs:	2.35mm	2.35mm
Connection:	E-Type	E-Type



RECOMMENDATIONS: Meditorque “E” Motor

1. Air Pressure: Your dental unit air pressure should be adjusted to be between 35 and 50 PSI.
2. Maintenance: Follow the maintenance procedure provided in this booklet.
3. Clean Dry Air: Moist air from your air compressor can damage the motor turbine of the Meditorque handpiece. Check and bleed the airline filter in control cabinet if moisture is present.

INSTALLATION: Meditorque “E” Motor

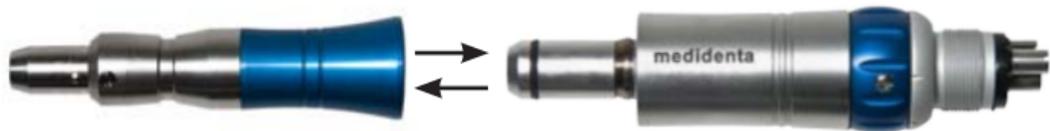
1. Preset air pressure on dental unit to be between 35 and 50 PSI. Check to be sure that the air from the compressor is clean and moisture free.
2. Turn water supply to air line to “OFF”
3. Screw Meditorque handpiece on to connector and collar, flush to gasket.
4. Connect attachment to top of motor.
5. Fully depress foot control. Adjust speed ring until desired speed and direction is achieved.

OPERATION: Meditorque “E” Motor

Speed Adjustment / Tuning: Turn the Speed Ring all the way in the clockwise direction to achieve maximum speed and torque. This should be the default setting for the motor and only adjusted if needed. To reduce speed, turn the Speed ring the counter clockwise direction. The Reverse Mode of operation is accomplished by turning the ring all the way in the counter clockwise direction. Centering the speed ring will result in the Neutral Mode and the motor will not turn.

Installing Attachments: Insert the E-Type Coupling Shaft into the attachment's back-end until you hear a snap. The attachment should be flush to the motor when installed correctly.

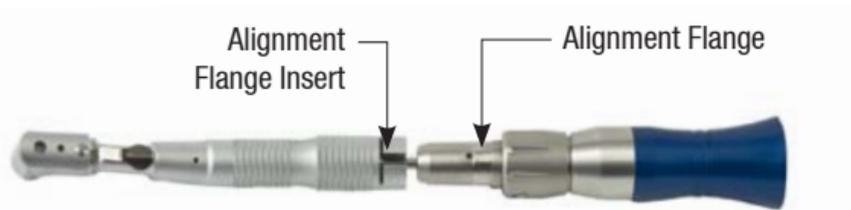
Remove Attachments: Simply pull the attachment off the motor.



OPERATION: Meditorque Nose Cone Attachments

Installing Burs: Turn to the left and pull down the Chuck Housing until it locks. The chuck is now open and ready for installation of any handpiece burs. Insert the bur as far down as it allows. Then, turn the Chuck Housing to the right, returning it to the original locked position.

Prophy Angles / Doriot Contra Angles: Turn to the left and pull down the Chuck Housing until it locks. The chuck is now open and ready for installation of the angle. Insert the angle with the Alignment Flange Insert on the angle lined up with the Alignment Button on the nose cone (see figure below). Then, turn the Chuck Housing to the right, returning it to the original locked position.



See “Operation: Meditorque E Motor” for Installing Contra Angles to the Meditorque E Motor.



OPERATION: Meditorque Contra Angle Attachments

Installing / Removing Burs on a Swing Latch Head:

Installing Bur: Swing the latch to the right to open the chuck. Insert the latch bur into the chuck. You may need to rotate the bur to completely insert the bur. Then, swing the latch back to the left to lock the bur in. Pull on the bur to ensure that it is securely locked.

Removing Bur: Swing the latch to the right to open the chuck. Pull the bur out. Then return the swing back to the locked position.
Note: Do not store or autoclave the angle with the chuck in the open position.

See “Operation: Meditorque E Motor” for Installing Attachments to the Meditorque E Motor.



OPERATION: Meditorque Contra Angle Attachments

Installing / Removing Burs on a Push Button Head:

Installing Bur: Push and hold the head cap located on the back of the head to open the chuck. Then insert the bur into the chuck. (If using latch style, you may need to rotate the bur to completely insert the bur.) Then release the head cap. Pull on the bur to ensure that it is securely locked.

Removing Bur: Push and hold the head cap located on the back of the head to open the chuck. Remove the bur and release the head cap.



See “Operation: Meditorque E Motor” for Installing Attachments to the Meditorque E Motor.

OPERATION: Meditorque Contra Angle Attachments

Installing / Removing Burs on a Push Up Latch Head:

Installing Bur: Push up and hold the Lever located on the back of the head to open the chuck. Then insert the bur into the chuck. (If using latch style, you may need to rotate the bur to completely insert the bur.) Then release the Lever. Pull on the bur to ensure that it is securely locked.

Removing Bur: Push up and hold the Lever located on the back of the head to open the chuck. Remove the bur and release the Lever.



See “Operation: Meditorque E Motor” for Installing Contra Angles to the Meditorque E Motor.

OPERATION: Meditorque Contra Angle Attachments

Installing / Removing Burs on a Friction Grip (Tool Type) Head:

Installing Bur: Insert the friction grip bur into the chuck until you meet resistance. It will lock using friction grip. Pull on the bur to ensure that it is securely locked.

Removing Bur: To remove the bur; using the plunger provided (see fig. 1), insert and push the pointed end into the back of the head of the angle until the bur is released from the head.

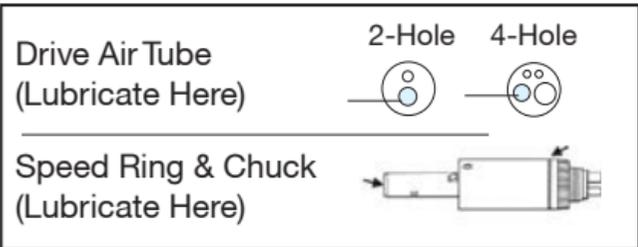


See “Operation: Meditorque E Motor” for Installing Attachments to the Meditorque E Motor.



MAINTENANCE: Meditorque “E” Motor

- 1. Surface Clean:** Wipe down the handpiece with a damp disposable cloth.
(Do not use any chemical solutions for cleaning. Do not submerge in water, ultra sonic cleaner, or disinfectant)
- 2. Lubricate:** Using the Pen Oil, insert 2–3 drops of oil into the drive air tube.
(Note: Only lubrication the motor every 4–5 autoclave cycles)
- 3. Lubricate:** Using the Pen Oil, insert 1 drop of oil into the speed ring and chuck.
(Note: Only lubrication the motor every 4–5 autoclave cycles)
- 4. Run motor 5–10 seconds** to ensure the lubricant has reached all moving parts. Exercise speed ring if lubricated.
- 5. Clean threads** once a month with paper towel or brush and isopropyl alcohol.
- 6. Dry handpiece** with a dry towel to remove and expelled fluid or debris.
- 7. Bag and sterilize.** Motor is completely autoclavable to 135 °C / 275 °F.
- 8. Be sure to allow handpiece to complete the drying cycle.** Allow handpiece to cool down to room temperature before use.



MAINTENANCE: Meditorque Nose Cone Attachments

- 1. Surface Clean:** Wipe down the attachment with a damp disposable cloth.
(Do not use any chemical solutions for cleaning. Do not submerge in water, ultra sonic cleaner, or disinfectant)
- 2. Lubricate:** Using the I Spray with “E” Type nozzle, spray lubricant into attachment for approx. 2–3 seconds or until you see lubricant exiting the top of the nose cone. Cover the top with a paper towel to collect the excess lubricant and debris that would be purged out.
- 3. Dry handpiece** with a dry towel to remove and expelled fluid or debris.
- 4. Bag and sterilize.** Attachment is completely autoclavable to 135 °C / 275 °F.
- 5. Be sure to allow handpiece to complete the drying cycle.** Allow handpiece to cool down to room temperature before use.

MAINTENANCE: Meditorque Contra Angle Attachments

- 1. Surface Clean:** Wipe down the attachment with a damp disposable cloth.
(Do not use any chemical solutions for cleaning. Do not submerge in water, ultra sonic cleaner, or disinfectant)
- 2. Lubricate:** Using the I Spray with “E” Type nozzle, spray lubricant into attachment for approx. 2–3 seconds or until you see lubricant exiting the head of the contra angle. Cover the head with a paper towel to collect the excess lubricant and debris that would be purged out.
- 3. [Recommended every 5 autoclaves]** Unscrew the head of the handpiece and remove the oblique shaft. Insert the oblique shaft into the “E” type nozzle on your can of lubricant. Insert the long end first which contains the lubrication hole. Spray for 2–3 seconds. Assemble back together.
- 4. Dry handpiece** with a dry towel to remove and expelled fluid or debris.
- 5. Bag and sterilize.** Attachment is completely autoclavable to 135 °C / 275 °F.
- 6. Be sure to allow handpiece to complete the drying cycle.** Allow handpiece to cool down to room temperature before use.

Lubrication Accessories

i Spray
#ISPRAAY



E-Type I
Spray Nozzle
#ISN-LSE



4/5-Hole
I Spray
Nozzle
#ISN-4/5H



Pen Oil
#POIL



DCI Purging
Station
#HPFLUSH



Service

For items that require service, including warranty service, please send to Medidenta.

Medidenta

3325 W. Ali Baba Lane – Suite #603

Las Vegas, NV 89118

Phone # 800–221–0750

Trouble Shooting

Please contact Medidenta to go over live trouble shooting with our Certified Technicians.

Warranty

This product is designed for use in a dental office and this warranty is not applicable to other uses. The Meditorque E Motor is warranted against manufacturing defects in material and workmanship for (12) months from date of purchase and (6) months for all Meditorque attachments. Medidenta will repair or replace the unit at its sole discretion. This warranty shall be limited to replacement or repair of the unit or its parts and shall not extend to any other claims, including but not limited to loss of profit, cost of removal or replacement, incidental or consequential damages or other similar claims arising from use of this product. Damage to the product resulting from acts of God, fault installation, misuse, tampering, accident, abuse, negligence, alterations, unauthorized repairs or problems unrelated to materials and workmanship are not covered by this warranty.