TROUBLESHOOTING THE TURBOSENSOR

Unit does not operate (power “on” indicator does not light):
- Motor cable disconnected from wall outlet or scaler. Reconnect properly.
- Wall outlet not live. Reconnect properly.
- Foot Pedal or cable is damaged. Contact Parkell.
- Fuse has failed. Contact Parkell.

Insert does not vibrate properly:
- Insert damaged or worn insert. Replace.
- Insert not correctly seated in handpiece. Reinsert properly.
- Power control not correctly adjusted. Readjust.

Eccex heat at handle or tip of insert:
- Faulty, damaged or worn insert. Replace.
- Too high water flow. Insert may be blocked. Inspect and clear blockage, or replace insert.
- Power too high for the amount of water. Reduce power to 15-35 psi at dental unit.
- Insert not correctly seated in handpiece. Reinsert properly.
- Excessive hand pressure applied. Correct technique.

Water spray when foot pedal is depressed:
- Water line blocked or kinked. Correct.
- Water passage in the scaling insert clogged. Inspect and clear blockage, or replace insert.
- Water filter clogged. Replace.
- Water supply not connected. Correct.

Insert does not go into handpiece:
- Insert stack is bent. Straighten plates carefully by hand and reinsert.
- O-ring too tight. Lubricate O-ring with water and use twisting motion to seat insert.
- Autochangeable handpiece shank is not attached to the insert.

Insert falls out of handpiece or water leaks from front of handpiece:
- O-ring damaged or worn. Replace O-ring on insert and/or handpiece.

Insert comes out of handpiece when depressed:
- Water pressure is too high. Adjust water pressure to 15-35 psi at dental unit connection or in floor junction box, or replace O-ring.
- Water leaks at base of handpiece:
  - Orange O-ring at end of handpiece is missing or damaged.

USER MAINTENANCE AND SERVICE:
- The Parkell TurboSENSOR requires very little maintenance for years of trouble-free operation. There are no user-serviceable parts inside the control unit or the foot pedal. Opening the cases will void all warranties. Authorized Parkell personnel must make all internal repairs.
- Parkell urges all users to monitor the condition of the water filter periodically and change the filter whenever noticeable darkening of the disk occurs, or when water flow decreases. The most common reason for service for ultrasonic scalers is failure by the user to periodically change the water filter. This will result in clogging and choking of the internal water components.
- The ultrasonic inserts, handpiece shahes, power supply, water filter and water hose are all detachable and may be replaced by the user. Contact Parkell for a list of authorized inserts and available replacement parts.
- Within the US, all repairs must be made by Parkell. For Canada, there is a complete service and parts facility in our factory at 300 Executive Drive, Edgewood, NY 11717. Equipment needing service in the US should be returned, freight pre-paid, via approved common carrier (e.g. UPS, USPS, FedEx), and adequately insured. Return all accessories with the unit, and include an explanation of the problem. Pack in the original box, add plenty of cushioning material, and overbox the unit during shipping.

TURBOSENSOR WARRANTY:
This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell warrants the TurboSENSOR power unit, transformer and foot pedal as follows: 110 VAC - Five (5) years, 230 VAC or 100 VAC, One (1) year. The handpiece, handpiece cable and water hoses are warranted for one (1) year. The ultrasonic inserts and autochangeable shahes are not covered by this warranty, and are not returnable. No repairs or parts replacements made during a warranty period extend the warranty beyond the original expiration date. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use or the inability to use the product herein described. Before using the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

If you purchased this product directly from Parkell, your unit is automatically registered. Your invoice is your “Warranty Registration” receipt. If you purchased this product from a domestic or overseas dealer, please register your product via the Internet at www.parkell.com/ProductRegistration.aspx. Locate and complete the online form, print a copy for your records, and click the “Submit” button. Store the printout in a safe place.

This manual, in whole or in part, should not be used as a substitute for formal training in Ultrasonic Scaling. Appropriate professional education is STRONGLY RECOMMENDED prior to using this device clinically.

If you have any questions or problems with the installation or use of your TurboSENSOR, call Technical Support Service at 1-800-243-7446, M-F from 8:15 AM to 5:15 PM EST.

TRI-MOUNT Turbouser for use with your Turbouser
- The Parkell TurboSENSOR is an autotune magneticstic ultrasonic tooth scaler that operates at either 25 KHz or 30 KHz. The TurboSENSOR automatically detects whether the handpiece contains a 25 KHz or 30 KHz insert, and switches to the correct operating frequency. The TurboSENSOR has an expanded low-power range to improve patient comfort during scaling use. The high-power Turbo feature to increase scaling power when needed for heavy deposits. The unit functions with compatible inserts (available separately) manufactured by Parkell or most other major dental manufacturers.

INTENDED USE/INDICATIONS:
For removal of calculus, plaque and oral debris from teeth during dental prophylaxis/scaling.

CONTRAINDICATIONS TO USE:
- Because of the potential for magnetic interference, this device should not be used on patients or by clinicians with cardiac pacemakers, internal defibrillators, intraocular fluid pumps or any other implantable electronic devices, or in close proximity to sensitive patient monitoring devices such as pulse oximeters.

This precision dental device was designed, manufactured and is serviced in the United States of America by:

Parkell
300 Executive Drive, Edgewood, NY 11717
Toll-Free: 1-800-243-7446 • Phone: 631-249-1334
Fax: 631-249-3424 • E-mail: info@parkell.com
www.parkell.com

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TURBOSENSOR made in the USA

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INTENDED USE/INDICATIONS:
For removal of calculus, plaque and oral debris from teeth during dental prophylaxis/scaling.

CONTRAINDICATIONS TO USE:
- Because of the potential for magnetic interference, this device should not be used on patients or by clinicians with cardiac pacemakers, internal defibrillators, intraocular fluid pumps or any other implantable electronic devices, or in close proximity to sensitive patient monitoring devices such as pulse oximeters.
CLINICAL PRECAUTIONS
- Protect patient's eyes, lips, cheek, tongue or other vulnerable soft tissue from contact with the water line (with male quick-connect coupler); (1200V, 120VAC / Stock No. D560-230 / 100VAC = Stock No. D560-100)
- Do not gouge the tooth with the tip of the scaler.

INDIVIDUALIZATION OF TREATMENT
- If patient or operator is pregnant, or has any medical condition which might be affected by this device during treatment, consult a physician prior to using.

CONFORMANCE TO STANDARDS
The Parkell Turbosensor is a Class I, Type B, 120V, 60Hz, 3000w device. The system is certified to ISO 9001/ISO13485. The device is CE marked and conforms to the European Medical Device Directive (93/42/EEC).

SPECIFICATIONS
- Power: 120VAC 60Hz (D560-110), 230VAC 50Hz (D560-230), 120VAC 60Hz (D560-100), 230VAC 50Hz (D560-200)
- Output temperature: Between 50°F and 100°F (10°C - 38°C)
- Weight: 35 oz: Size: 1 1/2" H x 5 " W x 7 " D
- Handpiece operating frequency: 15-25 kHz

ADDITIONAL SPECIFICATIONS
- Protection against electric shock: Class 1, Type B applied part
- Protection against ingress of liquids: Foot switch, SCALER, & Scalar handpiece
- Water Supply: IPX5 (Ordinary)
- Mode of operation of equipment: Intermittent – 10% duty cycle
- Operating conditions: 15-20°C, 10-80% RH
- Transport and storage conditions: 10-40°C, 10-80% RH

WHAT’S INCLUDED:
- (1) Magnetostrictive Scaler Control Unit with attached handpiece
- (2) Attached water filter
- (1) Inline water filter
- (1) Operator's Manual / Instructions for Use
- (1) Magnetostrictive inserts for the Turbosensor
- (2) In-line water filters (one attached to water line)
- (1) Transformer with cable
- (1) Protective Earth connection.

ADDING PROTECTION TO YOUR CENTRAL WATER SUPPLY
- A consequence of correctly positioning the device to avoid the scaling of sensitive regions of the tooth is the possibility of causing the device to fail. The Turbosensor gives you two ways to adjust the Power Control knob, by using the Power Control Knob for normal operation, or by depressing the Turbo SENSOR button to use the Turbo Mode.

USE OF THE TURBOSENSOR
- Use the Power Control Knob to set the initial scaling power for the procedure at hand. Turn the knob in a clockwise direction to increase the power, or counterclockwise to decrease the power.
- Use the Power Control Knob to set the “Medium” setting to start. When the foot pedal is slightly depressed to the first position, the tip will begin vibrating at Medium power.

ELECTRICAL CONNECTION
- The scaler must only be powered via the Transformer Assembly that is supplied with the device by Parkell.
- The Transformer must be plugged into a proper grounded outlet. Stepping on the pedal will activate the Transformer directly.

USE OF AUTOCLAVABLE SHEATHS AND ULTRASONIC INSERTS
- The handpiece is supplied with the appropriate handpiece sheath attached. Prior to use, the sheath should be sterilized. To do this, remove the sheath from the handpiece and place it in an autoclave, according to the manufacturer's instructions. A typical steam autoclave will sterilize the sheath in 15 minutes at a minimum of 15 psi, followed by a 15 minute cool-down period. After sterilization, the manufacturer's instructions for the ultrasound device should be followed.

CLEANING AND INFECTION CONTROL
- DO NOT USE DRY HEAT OR CHEMCLAVE on the sheath or the insert.

HOW TO REPLACE THE FILTER DISK
The water filter disk is located off the rear of the unit. The filter disk should be replaced at least 6 months prior to any suspected leaks. The water filter disk coming off of the rear hose connectors may be locked together they can discolor or fracture if stressed.

TURBOSENSOR MAINTENANCE
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CLEANING AND INFECTION CONTROL
- DO NOT USE DRY HEAT OR CHEMCLAVE on the sheath or the insert.
TURNING ON THE SCALER AND CONTROLLING THE POWER OUTPUT
To activate the scaler, place it into the base of the foot pedal and depress the foot pedal to start. The foot pedal turns the unit on when depressed, and off when released. The pedal should be placed in the pedal socket and lightly depressed on the crest of the O-ring. Do not overtighten.

CONTROLLING THE WATER OUTPUT
Flow control is achieved by using the Water Control Knob for normal operation, or by depressing the TurboMode Knob for a powerful water stream or oscillation. The TurboSENSOR gives you two ways to adjust the flow of water, depending on your preference: by using either the Water Control Knob or the TurboMode Knob. Use the Power Control Knob to set the initial scaling power for the specific tooth or area. Turn the knob in a clockwise direction to increase the power, or counterclockwise to decrease the power. Usually, the Power Control Knob is set at the "Medium" setting to start. When the foot pedal is slightly depressed to the first position, the scaler's tip will begin vibrating at Medium power. If the Power Control Knob is set for the "Perio" setting, the tip will light up, and the tip will vibrate at a much lower power than the Medium setting. When the scaler's tip is depressed, it permits very subtle adjustments in power, meaning that relatively large movements of the knob within the "Perio" range affect only a very small increase in power. This allows for more comfortable debridement for sensitive patients. When the scaler is set to "High," the amplitude reacts more dramatically to knob settings, as the water supply is more quickly stopped. Use the "TurboMode" for short-term increases in power during scaling. Fully depress the foot pedal to the floor using increased foot pressure and the yellow "Turbo" light will illuminate. This will allow the scaler to be more quickly stopped during scaling, or move between the current setting and the "TurboMode" setting very rapidly. Engaging the Turbo feature at a low power setting causes a significant boost in energy. Engaging the Turbo feature at high power will produce very little change. Since water flow is not affected by "Turbo Mode", extended procedures may require water adjustment. Partially lifting your foot off of the pedal will activate a "Low" power setting, allowing for normal, fine scaler action. Note that when you fully release the foot pedal, the "Low" light on the foot panel will turn off along with the yellow "Turbo" light. This change may take several seconds.

CLINICAL SUGGESTIONS ON TURBOSENSOR USE
• Ultrasonic scalers should be used by trained, licensed professionals only.
• Use of the费率标识 mark must be sterilized before each use.
• Use of cold, high-power tip is recommended when operating this recommended when operating with water-based solutions to avoid generation of aerosols.

CLEANING AND INFECTION CONTROL
• DO NOT OPERATE UNIT WITHOUT WATER.
• DO NOT USE THE SCALER WITHOUT WATER.
• DO NOT OVERTEST THE SCALER.

Cleaning the Water Delivery System
Cleaning the water delivery system is essential to maintaining the longevity of the scaler. Failure to regularly clean the water delivery system will result in inadequate disinfection of the device and the treatment area.

• Autoclaving does not remove debris that has accumulated on the shunt or the insert. Failure to adequately remove debris will result in inadequate sterilization. The shunt and ultrasound vibration may be heated in cold and re-used in ultrasonic or unprotected areas, and maintained using the autoclavable shunt. Note that the device is autoclaved in the autoclavable shunt bag before processing in a steam autoclave.

To fix the point of the tooth surface. You may gouge the tooth.
• Fail to position the insert tip parallel to the long axis of the tooth.

COMMON OPERATOR ERRORS THAT MAY AFFECT ULTRASONIC CLINICAL PERFORMANCE
• NOT MAINTAINING PROPER CLINICAL PERFORMANCE
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To fix the point of the tooth surface. You may gouge the tooth.
• Fail to position the insert tip parallel to the long axis of the tooth.

COMMON OPERATOR ERRORS THAT MAY AFFECT ULTRASONIC CLINICAL PERFORMANCE
• NOT MAINTAINING PROPER CLINICAL PERFORMANCE
• DO NOT OPERATE UNIT WITHOUT WATER.
• DO NOT USE THE SCALER WITHOUT WATER.
• DO NOT OVERTEST THE SCALER.
CLINICAL PRECAUTIONS
- Protect patient’s eyes, lips, cheek, tongue or other vulnerable soft tissues from body fluids.
- Protect the patient’s clothing from water damage when using this device.
- Clinicians should wear eye protection and facemask when using this device.
- Water flow through tip during use must be sufficient to cool the handpiece.
- Keep the long axis of the insert tip parallel to the long axis of the tooth to wipe deposits from the tooth.
- Do not gouge the tooth with the point of the tip.

INDIVIDUALIZATION OF TREATMENT
If patient or operator is pregnant, or has any medical condition which might be affected by the use of this device during treatment, consult a physician prescriber.

CONFORMANCE TO STANDARDS
The Parkell TurboSENSOR is TUV listed and compliant with the essential requirements of the Medical Device Directive (93/42/EEC). The Parkell TurboSENSOR is CE marked and fulfills the requirements of the Medical Device Directive (93/42/EEC).

WHAT'S INCLUDED:
- (2) Inline water filters (one attached to water line)
- Transformer with cable
- Operator’s Manual / Instructions for Use
- Warranty card

INSERTS
Magnetic inserts for the TurboSENSOR scaler are available separately and are not included with the basic scaler unit. The Parkell TurboSENSOR accepts any Parkell insert, and most 25 kHz or 30 kHz inserts manufactured by Cavmessi/Dentiplyt, Hu-Friedy, or other manufacturers. The scaler automatically adjusts the operating frequency to that of the magnetic insert used. Note: Never use a non-magnetic insert when using the device.

SITE CLOGGING
- Site cloggings caused by the scaler are not intended to be permanent fixtures in the tissue.
- Before using this device in the oral cavity, the clinician should adjust the scaler tip to the correct size for access to the area to be treated.
- The scaler tip should be used as a guide when engaging the scaler in the oral cavity.

INSERTS AND ULTRASONIC INSERTS
- The scaler handle is provided with the scaler to perform hand scaling procedures. Attach the scaler handle to the attached handpiece, with the arbor on the handle being pulled into the tip plug on top.
- The insert transformer provides a grounded electrical outlet to power the device.

USE OF AUTOCLAVABLE SHEATHS AND ULTRASONIC INSERTS
- The scaler is designed to be used with an autoclavable handpiece and sheath. The autoclavable handpiece is especially effective on the surfaces of the tooth.
- The TurboSENSOR gives you two ways to adjust the power setting: by using the Power Control Knob for normal operation, or by depressing the “Turbo Mode” button on the control panel.

CONTROLLING THE WATER OUTPUT
- The TurboSENSOR gives you two ways to adjust the power setting: by using the Power Control Knob for normal operation, or by depressing the “Turbo Mode” button on the control panel.
- Engaging the Turbo feature at a low power adjustment for high power calculus removal. Use the “Turbo Mode” for short-term increases in power during scaling. Fully depress the foot pedal to the floor increasing the power output. Use the “Turbo Mode” for short-term increases in power and speed. Engaging the Turbo feature at a low power setting causes a significant boost in energy. Engaging the Turbo feature at high power will produce very little change. Since water flow is not affected by “Turbo Mode”, extended procedures may require water adjustment.
- Partially lifting your foot off of the pedal will reduce the power to a normal, non-turbo mode. Note that when you fully release the foot pedal, the “Turbo” light on the front panel will turn off along with the yellow “Turbo” light. This change may take several seconds.

CLINICAL SUGGESTIONS ON TURBOSCALING
- Ultrasonic scalers should be used by trained, licensed professionals only.
- Use of the handpiece should not be performed by novices.
- Use the handpiece following the manufacturer’s recommendations when operating this device.

DO NOT OPERATE UNIT WITHOUT WATER SUPPLY
- Use the lowest effective scaling power for the case at hand. This keeps heat generation to a minimum.
- Before using the insert in the oral cavity, adjust the device to the power setting at which the faceplate of the scaler over a sink or cuspider until desired mist is obtained. For maximum patient comfort control the flow of water as a coolant, lubricant and to flush out debris.
- If patient is new to ultrasonic scaling, explain these to them. To expect what is happening, usually the patient should experience discomfort for the first time. If the patient is uncomfortable, the handpiece will vibrate at a much a lower power that is more tolerable to the patient.

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- Before using the insert in the oral cavity, adjust the device to the power setting at which the faceplate of the scaler over a sink or cuspider until desired mist is obtained. For maximum patient comfort control the flow of water as a coolant, lubricant and to flush out debris.
- If patient is new to ultrasonic scaling, explain these to them. To expect what is happening, usually the patient should experience discomfort for the first time. If the patient is uncomfortable, the handpiece will vibrate at a much a lower power that is more tolerable to the patient.

DO NOT OPERATE UNIT WITHOUT WATER SUPPLY
- Use the lowest effective scaling power for the case at hand. This keeps heat generation to a minimum.
- Before using the insert in the oral cavity, adjust the device to the power setting at which the faceplate of the scaler over a sink or cuspider until desired mist is obtained. For maximum patient comfort control the flow of water as a coolant, lubricant and to flush out debris.
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TROUBLESHOOTING THE TURBOSENSOR

Unit does not operate (power on” indicator does not light):
- Power cord cable disconnected from wall outlet or scale. Reconnect properly.
- Wall outlet not live. Reconnect properly.
- Foot Pedal or cable is damaged. Contact Parkell.
- Unit fuse has failed. Contact Parkell.

Insert does not vibrate properly:
- Insert is broken or damaged. Correct.
- Insert is not correctly seated in handpiece. Reinstall properly.
- Power control not correctly adjusted. Readjust.

Excess heat at handle or tip of insert:
- Faulty, damaged or worn insert. Replace.
- Power too high for the amount of water. Change setting or use less water.
- Power control not correctly adjusted.

No water spray when foot pedal is depressed:
- There is no water flow. Check water supply to handpiece.
- Water supply is not connected or in floor junction box, or replace insert.

Water pressure is too high. Adjust water pressure to 15-35 psi at dental unit connection or in floor junction box, or replace O-ring.

Water leaks at base of handpiece:
- Insert comes out of handpiece when pedal is depressed.
- Insert falls out of handpiece or water leaks from front of handpiece.
- O-ring damaged or worn. Replace O-ring on insert and/or handpiece.
- Water pressure is too high. Adjust water pressure to 15-35 psi at dental unit connection or in floor junction box, or replace O-ring.
- Orange O-ring at end of handpiece is missing or damaged.

EUROPE

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INTENDED USE/INDICATIONS

For removal of calculus, plaque and oral debris from teeth during dental prophylaxis/scaling.

CONTRAINDICATIONS TO USE

Because of the potential for electromagnetic interference, this device should not be used on patients or by clinicians with cardiac pacemakers, internal defibrillators, intracorporeal fluid pumps or any other implantable electronic devices, or in close proximity to sensitive patient monitoring devices such as pulse oximeters.

DEVICED DESCRIPTION

The Parkell TurboSENSOR™ is an autotune magnetostatic ultrasonic tooth scaler that operates at either 25 KHz or 30 KHz. The TurboSENSOR automatically detects whether the handpiece contains a 25 KHz or 30 KHz insert, and switches to the correct operating frequency. The TurboSENSOR has an expanded low-power range to improve patient comfort during dental procedures and a power boosting, user-controlled Turbo feature to increase scaling power when needed for heavy deposits.

The unit functions with compatible inserts (available separately) manufactured by Parkell or most other major dental manufacturers.

If you have any questions or problems with the installation or use of your TurboSENSOR, call Technical Support Service at 1-800-243-7446, M-F from 8:15 AM to 5:15 PM EST.

Outside of the USA or Canada, call +1 631-249-1134.

If you purchased this product directly from Parkell, your unit is automatically registered. Your invoice is your “Warranty Registration” receipt. If you purchased this product from a domestic or overseas dealer, please register your product via the Internet at www.parkell.com/ProdutRegistration.aspx. Locate and complete the online form, print a copy for your records, and click the “Submit” button.

Store the printout in a safe place.

This manual, in whole or in part, should not be copied or used for formal training in Ultrasonic Scaling. Appropriate professional education is STRONGLY RECOMMENDED prior to using this device clinically.
TROUBLESHOOTING THE TURBOSENSOR

• Unit does not operate (power on” indicator does not light).
  • Motor/transformer cable disconnected from wall outlet or scaler. Reconnect properly.
  • Wall outlet not live. Reconnect properly.

• FootPedal or cable is damaged. Contact Parkell.

• Unit fuse has failed. Contact Parkell.

• Insert does not vibrate properly.
  • Insert is damaged or worn. Replace.

• Insert is not correctly seated in handpiece. Reinsert properly.

• Power control not properly adjusted. Readjust.

• Excess heat at handle or tip of insert:
  • Faulty, damaged or worn insert. Replace.
  • Too much water flow. Insert may be blocked. Inspect and clear blockage, or replace insert.
  • Water pressure is too high. Adjust water pressure. Consult manufacturer’s recommendation.

• Excessive hand pressure applied. Correct.

• Power supply overloads the system. Correct.

• Transformer cable disconnected from wall connection or in floor junction box, or replace transformer.

• Insert comes out of handpiece when pedal is depressed:
  • O-ring damaged or worn. Replace.

• Insert falls out of handpiece or leaks water from front of handpiece:
  • O-ring damaged or worn. Replace O-ring on insert and/or handpiece.

• Insert comes out of handpiece when pedal is depressed:
  • Water pressure is too high. Adjust water pressure to 15-35 psi at dental unit connection or in floor junction box, or replace O-ring.

• Water leaks at base of handpiece:
  • Orange O-ring at end of handpiece is missing or damaged.

If you have any questions or problems with the installation or use of your TurboSENSOR, call Technical Support Service at 1-800-243-7446, M-F from 8:15 AM to 5:15 PM EST.

WARRANTY

This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell warrants the TurboSENSOR power unit, transformer and foot pedal as follows: 110 VAC - Five (5) years; 230 VAC or 100 VAC, One (1) year. The handpiece, handpiece cable and water hoses are warranted for one (1) year. The ultrasonic inserts and autoclavable sheaths are not covered by this warranty, and are not returnable. No repairs or parts replacements made during a warranty period extend the warranty beyond the original expiration date. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

If you purchased this product directly from Parkell, your unit is automatically registered. Your invoice is your “Warranty Registration” receipt. If you purchased this product from a domestic or overseas dealer, please register your product via the Internet at www.parkell.com/Registration.aspx. Locate and complete the online form, print a copy for your records, and click the “Submit” button. Store the printout in a safe place.

DEVICE DESCRIPTION

The Parkell TurboSENSOR™ is an automatic, magnetostrictive ultrasonic tooth scaler that operates at either 25 KHz or 30 KHz. The TurboSENSOR automatically detects whether the handpiece contains a 25 KHz or 30 KHz insert, and switches to the correct operating frequency. The TurboSENSOR has an expanded low-power range to improve patient comfort during debridement, and a power-boosting, user-controlled Turbo feature to increase scaling power when needed for heavy deposits. The unit functions with compatible inserts (available separately) manufactured by Parkell or most other major dental manufacturers.

INTENDED USE/INDICATIONS

For removal of calculus, plaque and oral debris from teeth during dental prophylaxis/scalping.

CONTRAINDICATIONS TO USE

Because of the potential for electromagnetic interference, this device should not be used on patients or by clinicians with cardiac pacemakers, internal defibrillators, intraoral fluid pumps or any other implantable electronic devices, or in close proximity to sensitive patient monitoring devices such as pulse oximeters.

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AUTOCLAVABLE HANDPIECE SHEATH (QTY 1)
This scaler is provided with one autoclavable handpiece sheath attached to the handpiece, and one spare in this bag. Prior to use, both sheaths should be sterilized following the “Cleaning and Infection Control” recommendations in the “Instructions for Use”.

• To remove the sheath from the handpiece, hold the handpiece at the base with one hand and turn the sheath counter-clockwise with the other, taking care not to twist the handpiece hose. The sheath will unscrew and slip off.

• To replace the sheath, gently thread it onto the handpiece clockwise, until there is no gap between the two. Take care not to damage or dislodge the O-ring. Do not overtighten.

FILTER DISK (QTY 1)
This scaler is provided with one water filter disk attached to the rear water line hose, and one spare in this bag. The Luer-Lock water filter disk should be replaced when it becomes dark or clogged with debris so that water flow is not blocked (1-3 months). Replacement filters are available from Parkell. To remove:

• Close any water valves, and bleed all water lines of residual water pressure.

• Disconnect the scaler water supply hose from the water supply at the quick-connect.

• Remove the old filter disk by holding it in one hand and twisting it off the hose connectors on either side in opposite directions.

• Install the new filter disk in the same position as the old one, and tighten the connectors in reverse.

• Reconnect the scaler water supply hose to the water supply via the quick-connect and check for leaks.

If the filter clogs and you do not have a replacement, the connectors may be locked together TEMPORARILY without the filter for emergency operation.

REPLACEMENT ORANGE O-RING (QTY 1)
• Use if water leaks at base of handpiece, by replacing O-ring at nose of handpiece.

• Moisten O-ring with water to allow easy replacement and smooth, tight connection.

SELF-ADHESIVE HANDPIECE HOLDER (QTY 1)
• Determine desired location for handpiece to hang.

• Peel off paper from self-adhesive back and apply holder to surface of desired location. Apply pressure for 30 seconds.

• Wait 24 hours before applying weight to the holder to allow maximum bond strength.