


**SUMMIT HILL LABORATORIES**

Tinton Falls Business Center  
One Sheila Drive  
Tinton Falls, New Jersey 07724

**VETROSON® MILLENNIUM 25/30**  
**ULTRASONIC SCALER**  
**QUESTIONS AND ANSWERS**

Phone: (732) 933-0800

Fax: (732) 933-0055

E-Mail:

[sales@summithilllaboratories.com](mailto:sales@summithilllaboratories.com)

[www.summithilllaboratories.com](http://www.summithilllaboratories.com)

**1) Why are 30k inserts better than 25k?**

Research has substantiated that in ultrasonic power scaling, performance occurs in a frequency of 18 –32khz (18,000 to 32,000 cycles per second) with magnetostrictive machines. The majority of the commonly used scalers selected the arbitrary setting of 25k. Current technology, however, has shown maximum efficiency actually occurs closer to 30k. At frequencies higher than 32k efficiency actually decreases along with heat build-up in hard and soft tissues.

The VETROSON® MILLENNIUM 25/30 ULTRASONIC SCALER is designed to accept both the 25k and 30k inserts with the flip of a switch. The 30k inserts are shorter and lighter and result in less equipment noise.

**2) What is khz?**

Khz represents cycles per second.

**3) We have been using a VETROSON Ultrasonic Scaler for years. It works well. Why should we switch to 30k?**

Congratulations! You are the owner of the standard bearer in the veterinary field. Your familiarity with the ultrasonic scaling will prepare you for the next step. With 30k you will immediately notice the quieter running of the unit. You will also notice the smaller, lighter inserts. The Perio 30k inserts are considerably thinner than the #10 inserts. The combination of the higher frequency and thinner insert tip allows scaling under the gum. Perio procedures are now within the reach of your practice using our new ultrasonic scaler.

**4) I thought we shouldn't go under the gum line with an ultrasonic scaler. Why is it now okay?**

Several advances are available in the VETROSON Millennium 25/30 Ultrasonic Scaler. The new 30k Universal Perio inserts are 40% thinner than the older 25k inserts allowing scaling 7mm under the gum line. The "low" power setting as well as the higher frequency (30k) facilitate Perio procedures. **NOTE: THE PERIO INSERT IS DESIGNED TO BE USED UNDER THE GUMS AT A LOWER (PERIO) POWER SETTING. IF THIS INSERT IS USED AT THE FULL (SCALING) POWER SETTING, DAMAGE TO THE P.C. BOARD WILL MOST LIKELY OCCUR.**

**5) May I go under the gums with the present VETROSON #3 and #10 inserts?**

This is not recommended. The #3 & #10 Inserts are designed to be used above the gums at full power. The new VETROSON Perio inserts are 40% thinner than the #10 inserts, providing the necessary means for the veterinarian to scale up to 7mm below the gum line efficiently and safely.

**6) Which is preferable when working under the gum line – hand instruments or the new ultrasonic Perio inserts?**

Medicine is an art. Both schools have their adherents. On the ultrasonic side, one should consider the ease of working under the gums with Perio inserts. Hand scaling can be time-consuming and physically wearing. Mastering the applications of the various hand instruments can be difficult.

**7) You have a removable sheath on your handpiece which may be autoclaved. How many autoclavings may I expect?**

Our handpiece sheath is made from ULTEM 1000, a new, high-temperature resin developed by GE specifically for medical and food processing devices that must survive repeated steam autoclavings. Research has shown our new sheaths withstand at least 100 autoclave cycles without distorting or becoming brittle. The orange “o” ring may have to be replaced periodically.

**8) Is your in-line water filter disposable?**

Yes. The filter is positioned near the rear of the scaler. It is transparent and foreign matter can be clearly noted. When the filter becomes dirty, merely twist the water tubing on either side of the filter and replace the filter disc, reversing the twists.

**9) May I use your in-line water filter in my present unit?**

Yes, order accessory part # VUO2030. Please make sure you have the braided hose (VUO2065). Certain plastic hose may have I.D.’s not compatible with our filter connectors.

**10) I notice that your new VETROSON “SS” inserts are solid steel. Are these better than the plastic/steel ones I’m currently using?**

Yes, the more components in an insert, the greater the chance something will malfunction. Every rubber gasket will eventually wear out. Plastic grips may crack and break. Also the grips on traditional inserts frequently vibrate like tuning forks, reducing tactile sensitivity and generating unnecessary noise.

Other than the stack of ultrasonic bands, everything in the VETROSON “SS” inserts is machined of surgical-grade stainless steel. The result is an extraordinarily durable scaling instrument.

**11) What does the Power Booster button do?**

The Power Booster is designed to increase power from the actual setting to a point midway to the maximum power just by depressing the foot pedal. The power booster button will come on. This feature is especially important in working subgingivally at the “Low” (perio) setting. Power can be temporarily increased to deal with a stubborn piece of calculus; another firm press of the pedal will return power to the original setting.

**12) Your advertising mentions a new concept in autotuning. How is it better than the autotune I already have?**

Your current unit has to be hand tuned for a new insert. Once you have tuned your unit, you can switch to “autotuning” to maintain the setting. This is a good feature, and certainly an advancement over many other units. However, it is not truly autotuning. The VETROSON Millennium 25/30 Ultrasonic Scaler automatically tunes itself to any insert with no manual adjustments at any time. Our feature is patented.

**13) Are there any other differences from my present Scaler that I might notice?**

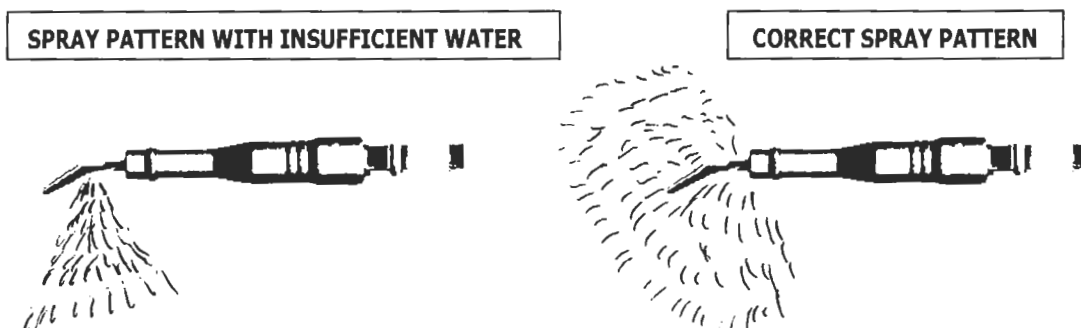
Yes. When you’re on the full power setting, the inserts will cavitate smoothly over a fine spray to which you are already accustomed. However, when you switch to the low or Perio setting, you will notice both a fine spray and water droplets. This is normal. When you touch the insert to the tooth at the Perio setting it will scale effectively. This mist/droplet cavitation is normal for the Perio setting.

**14) How do I connect my scaler to the water supply?**

Your VETROSON may be connected to a permanent water supply, separate tank or the water supply of a high speed dental unit. Consult *Operating Instructions* for details. **UNDER NO CONDITIONS SHOULD YOUR SCALER BE CONNECTED TO A FAUCET. TOO MUCH AIR COMBINES WITH THE WATER CAUSING THE UNIT TO OVERHEAT AND MALFUNCTION.**

**15) How should the water knob be set?**

Water knobs are pre-set at the factory. If adjustment is necessary, turn the water knob to a closed position (all the way clockwise.) Then turn the knob counter clockwise for just less than one turn. This is roughly where it should be set. Then adjust to your preference, maintaining a spray at both the “elbow” of the insert and the tip. This will result in maximum scaling efficiency.



**16) May I mount the VETROSON Millennium 25/30 Ultrasonic Scaler under a shelf or under my high-speed dental unit?**

Yes. Since our scaler is so light, double-sized tape is provided for mounting.

**17) Do you have a VETROSON Millennium Motor Pack?**

Yes. The unit is the same size and shape as the scaler. Its motor is more powerful than the one supplied with the current VETROSON Motor Pack.

**18) How do I get more information on the VETROSON Millennium 25/30 Ultrasonic Scaler and the VETROSON Millennium Motor Pack?**

Please refer to our website: [www.summithilllaboratories.com](http://www.summithilllaboratories.com) or phone 1-800-922-0722 or Fax 1-732-933-0055 to request the descriptive brochure or speak with a representative. We will also advise you of the distributors in your area who carry the line.

7/2007