



Volatizer® VM3™

User's Manual

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VOLATIZER® VM3™ USER'S MANUAL

Welcome to the VM3 Revolution™ and congratulations! You have just purchased the most compact and efficient vaporization device available. The VM3™'s patented, rapid-onset and smokeless nature, and its easy to use design, is revolutionizing the vaporization industry. Protected by U.S. and foreign patents, with additional patents pending, the Volatizer® VM3™ represents the cutting edge of vaporization. Developed after years of research, with its concealable mouthpiece, state of the art Lithium Ion battery, temperature control unit, built-in safety features and ergonomic design, the VM3™ is the only hand held, pocket size, battery operated, rechargeable vaporizer on the market. No more burning. No more flasks or water filled containers. No more hoses. No more attached power cords. Whether your interest is in aromatherapy, medicinal herbs, essential oils or tobacco, the VM3™ represents phyto-inhalation at its best.

IDENTIFICATION OF FEATURES

Before using the VM3™ please familiarize yourself with its various controls and components (See Figures 1 & 2) as well as the accessories that came with the unit.

Each VM3™ comes with a custom lockable case, a recharging unit, extra ceramic heating chambers [mesh lined chambers for loose herbs and tobacco, and cotton filled chambers for essential oils], and a cleaning kit.

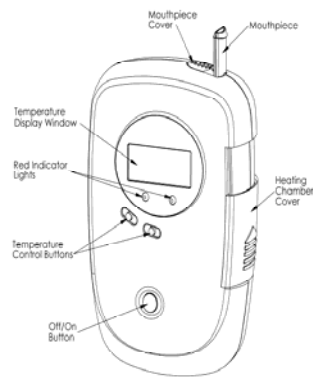


FIG. 1

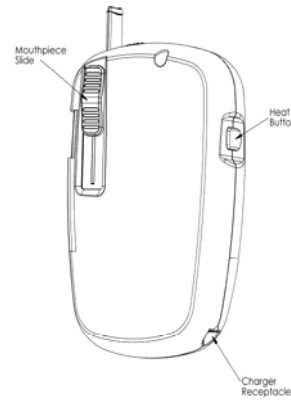


FIG. 2

GENERAL USE AND OPERATION OF THE VM3™

To use the VM3, slide the mouthpiece cover into the open position. Extend the mouthpiece by pressing up on the mouthpiece slide. PLEASE NOTE: AS A SAFETY FEATURE THE VM3™ CANNOT BE TURNED ON UNLESS THE MOUTHPIECE IS EXTENDED! To access the heating chamber, slide the heating chamber cover up. (See Fig.1) The ceramic heating chamber will then be partially ejected so it can be removed. (See Fig. 3)



FIG. 3

After removing the ceramic heating chamber from the unit, using your fingers or the tweezers included in the cleaning kit, remove the mesh lid and insert the loose tobacco or herb [for simplicity often called the "constituent"] into the heating chamber and replace the mesh lid. If using an essential oil, simply place a drop or two of the oil on the cotton insert in one of the essential oil heating chambers.

Using the mesh screens will ensure that loose tobacco or herbs do not touch the heating element or interfere with the various heating chamber components. Whether using loose tobacco or herbs or essential oil, begin with a small amount. When it comes to vaporization, less is usually better. Unlike smoking where 80%-90% of the essential ingredients are burned off and never absorbed by the lungs, vaporization is very efficient. Therefore, begin with a small amount of constituent and work your way up to that amount which satisfies your personal needs.

After inserting the constituent into the heating chamber, following the above instructions, replace the heating chamber in its original position in the unit with your thumb while sliding the heating chamber cover down. (See Fig. 3) You can remove your thumb as the lower edge of the heating chamber cover passes the upper edge of the heating chamber. Continue sliding the cover down until it completely closes. The resistance you feel in sliding the heating chamber cover into the closed position is normal since in doing so an internal mechanism seats and seals the various heating chamber components.

To turn on the unit, extend the mouthpiece as described above and press the OFF/ON button. As soon as you turn on the unit, numbers will be displayed on the screen. The first number you see will be the actual or real time temperature in degrees Celsius (also called Centigrade) in the heating chamber. You can then set the temperature you want the heating chamber to reach by pressing the temperature increase or temperature decrease buttons located immediately below the display screen. The desired temperature setting will then be displayed on the screen. After about 10 seconds, the display will show the real time or actual temperature again. To begin the vaporization process, depress and hold the HEAT activation button.

When the HEAT button is depressed, the right red indicator light will go on which indicates that the heating element is on. You can follow the temperature increase in the display window.

As soon as the heating chamber reaches the preset temperature, the heating element automatically shuts off and the red indicator light goes out. After the preset temperature is displayed and the red light goes out, anywhere from 5-15 seconds depending upon the preset temperature, slowly inhale the vapor through the mouthpiece just as you would if you were smoking a pipe or using a cigarette holder.

The number of inhalations per single dose of tobacco, herb or essential oil depends upon the nature of the constituent, the amount you use, the moisture content of an herb, and the user's lung capacity. For some materials

or constituents, one or two inhalations may be all that is necessary to extract all of the essential ingredients. Other constituents, tobaccos for example, may require multiple inhalations.

When it comes to botanicals, there are too many variables to generalize as to how many inhalations are possible. However, as the user you can tell when the constituent's ingredients have been exhausted. This is particularly true of the nicotine in tobacco. As you become more familiar with the device and the product you are using in it, you will be in a better position to anticipate the best number of inhalations. The same can also be said as to temperature settings.

To remove the constituent, wait until the ceramic heating chamber cools down. As indicated in these instructions, the heating chamber can reach a temperature as high as 280° C. Therefore, wait several minutes before attempting to remove it. Do not attempt to remove the heating chamber immediately after using the unit since it gets very hot during the vaporization process. The amount of time you have to wait for the heating chamber to cool down will depend upon the temperature you preset in the device. Take your time. Better safe than sorry.

Once the ceramic heating chamber has cooled down and is no more than warm to the touch, you can remove it from the unit and remove the constituent which will appear dried out and brownish in color. If any of the constituent or debris does not shake out or cannot be gently blown out, it can be removed with the brush or tweezers from the cleaning kit supplied with every VM3™. If using an

essential oil, replace the cotton insert. Any commercial cotton ball will work. Simply roll it between your fingers to compress it into a small ball or pellet then insert it into one of the heating chambers without the mesh screen.

When in use the VM3™ will be warm to the touch. This is normal. The VM3™ is powered by a high capacity, state of the art, Lithium Ion battery. It takes a considerable amount of power to energize the heating element and reach the temperature necessary to vaporize the essential ingredients of most herbs and tobacco. Therefore, always allow the VM3™ to cool down after each use or session. The VM3™ is designed for individual use. It should not be used in rapid succession. To avoid any problems in this regard, there is an additional internal safety mechanism that will shut off the power if the temperature of the VM3™ housing or case approaches too high a temperature.

Always remember most herbs and botanicals contain dozens if not hundreds of different compounds, each of which may vaporize at a different temperature. Therefore, only through practice and experimentation will you be able to determine just what you are looking for in using the constituent in question.

As to the temperature in the heating chamber, there are sensors within the device that ensure that the desired temperature will be reached as well as not exceeded. For example, even though you are depressing the HEAT button, if the temperature in the heating chamber is higher

than the setting temperature, the heating element will automatically shut down.

Likewise, as soon as the heating chamber temperature falls below the preset temperature, the heating element will switch back on as long as you are still depressing the HEAT button. When the heating element is off and not being energized, the right red indicator light will be off. When the heating element is energized or on, the light will be on.

So as to accommodate the widest variety of herbal or botanical products, and different mixtures and moisture contents of botanical products and botanical extracts, the VM3™ is engineered to function in a temperature range of from 10° C to 280° C. However, most botanicals, particularly tobacco and medicinal herbs, will char or burn at temperatures higher than 235° C.

Therefore, **unless you are a trained herbalist or chemist, do not set or use a temperature higher than 230° C** which is below the ignition or burning point of the most commonly used botanicals and herbs. In most cases; however, there is no need to use such a high temperature.

Volatile oils such as camphor and mint vaporize at as low as 30°-60° C. The ingredients in many herbs vaporize at only 100°-150° C. The nicotine in tobacco, for example, vaporizes at about 180°-200° C. Likewise, the most common medicinal herbs vaporize at 180°-210° C.

However, as noted above, a lot depends upon the moisture content of the constituent, the type or blend of essential oil or botanical, and the personal preferences of the user.

Only through experimentation can the user determine what temperature is best for a particular constituent. For some herbs and botanicals, two inhalations will exhaust the essential ingredients while others will require more. After two or three inhalations you may be able to “push” the vaporization process further by increasing the temperature.

However, “pushing” the process often results a slightly different by-product and a different “taste” since different compounds vaporize at different temperatures. Experimentation and personal preference will determine what is best for each user.

In addition to the internal temperature sensors that automatically shut off the power to the heating element when the desired temperature is reached, there are other safety features to ensure that the VM3™ cannot be accidentally turned on or activated. For example, the unit cannot be turned on unless the mouthpiece is extended. Likewise, the heating button will not work and the heating element cannot be energized unless the heating chamber cover is closed.

CHARGING AND RECHARGING THE UNIT

Before using the VM3™ you will need to charge the unit. To do so plug the charger into a standard 120 AC outlet and insert the plug from the adaptor into the charger receptacle or socket at the bottom of the VM3™. When the unit is being charged, both red indicator lights under the display window will be lit to indicate that the charging transformer is connected and charging is in process.

When the battery is fully charged, the green back light on the display screen will be illuminated. When the charger is removed, the red indicator lights will go off. To ensure that the unit is fully charged before its initial use, keep the charger plugged in overnight.

How long the charge last will depend upon temperature settings and use. The higher the temperature and the greater or more frequent the use, the shorter the period of time before the unit needs to be recharged. When one of the red indicator lights under the display begins to wink or the unit makes a beeping sound, it indicates the battery is low and needs to be recharged. At this time, the battery has only 5-7 more minutes of use. When the battery is fully discharged, the unit will turn itself off automatically. When this happens, any function, including the memory of the temperature setting, will disappear. After recharging the unit you can reset the desired temperature following the above instructions.

To recharge the unit, as indicated above, plug the charging transformer into a standard 120 AC outlet and insert the plug from the adaptor into the charger receptacle or socket at the bottom of the VM3™. When the unit is being charged, both red indicator lights under the display window will be lit to indicate that the charging transformer is connected and charging is in process.

When the battery is fully charged, the green backlight on the display screen will be illuminated. When the charger is removed, the red indicator lights will go off. The charger can also be used to supply the power directly just as you might use a power supply directly to a cell phone or digital camera. If you use the power supply in this manner, the left red indicator light will stay on.

FAQ's

When I press the OFF/ON power button, why is no information displayed on the screen?

Answer:

- a) The battery is low or discharged and needs to be recharged.

- b) The mouthpiece cover is closed and the mouthpiece not extended.

- c) The heating chamber cover is open or not completely closed.

- d) There is some malfunction in the circuitry. [Following the instructions below, return to Chiro-Tec Inc. for repair or replacement.]

When I press the power button, there are numbers shown on the display screen but when I press the heating button the right indicator light does not go on and the temperature shown on the display does not change. Why is that?

Answer:

Check the setting temperature. When the difference between the setting temperature and real temperature is less than 10° C, the heating element will not go on. Raise the temperature setting another 10°-20° then press the heating button. The red indicator light should then go on and the displayed temperature should begin to rise.

CARE, CLEANING, MAINTENANCE, REPAIRS

The VM3™ is a precision, hi-tech device with a powerful battery and some very sophisticated and delicate electronic circuitry, including a central processing unit [CPU]. Therefore, treat it and care for it like you would a cell phone, digital camera or computer.

Do not expose it to extreme heat, cold or moisture. Do not immerse it in water or any liquid and do not get it wet. Do not drop or handle the unit in a rough manner. Never force the operation of any of the removable or moving components.

You can clean any loose tobacco or herb out of the heating chamber area by gently shaking or blowing it out or using the tweezers or brush in the cleaning kit that comes with the unit. You can also use a Q-tip. To clean any debris or residue off of the lower screen, use the supplied brush or tweezers, or a Q-tip moistened with rubbing alcohol.

Do not attempt to remove the lower screen. If the upper screen becomes clogged, you can remove the screen and clean it with rubbing alcohol. To remove the screen, grab the inside lip of the silicone ring portion of the upper screen with the tweezers included with your cleaning materials and gently pull down. The screen will pop out. You can then clean it with rubbing alcohol. To re-install, press the screen back into position using your little finger or the smooth end of one of the brushes supplied in the cleaning kit.

To remove any residue or film from the inside of the vapor collector which the upper screen fits into, remove the screen, following the above instructions, then using the supplied tweezers and a small cotton ball moistened with alcohol clean the inside of the stainless steel vapor collector.

Re-install the upper screen following the above directions. Do not under any circumstance attempt to disassemble or take apart the unit. Any attempt to do so may damage the internal components and will void the warranty.

If a repair or part replacement is necessary, call or e-mail Chiro-Tec Inc. at the number or e-mail address below to receive a return authorization number and instructions as to how and where to ship the unit.

Warranty

The VM3™ carries a 100% satisfaction money back guaranty and a 90 day warranty on parts and labor. If you are not completely satisfied or if you need the unit repaired or a part replaced, call Chiro-Tec for a return authorization number then return the complete and undamaged unit back for a complete refund or repair. We believe the VM3™ is the best vaporizer on the market and we want you to be completely satisfied.

Reminders

1. The VM3™ cannot be turned on if the mouthpiece slide is closed and the mouthpiece retracted.
2. The heating element cannot be energized and will not function if the heating chamber cover is open or not completely closed.
3. Do not drop, disassemble, misuse the unit or expose to extreme heat, cold, liquids or moisture.
4. The moisture, potency and essential ingredients of botanical constituents vary. No two constituents are exactly the same. Therefore, you must experiment with different amounts and temperature settings. Always begin at a lower temperature and work your way up. Do not exceed 230° C.
5. Only use constituents that you are familiar with and that are free from additives, contamination or pesticides.
6. Do not use the VM3™ or any other vaporizer if you are pregnant, ill or under a doctor's care.

CONDITIONS OF SALE-DISCLAIMER- CONDITIONS OF SALE

Thank you for your purchase of the VM3™. As indicated earlier, you have just purchased a one of a kind device that revolutionizes the concept and method of vaporization. Under no circumstances should the VM3™ be used with any illegal substance. The proper and legal purchase and use of this device by one 18 years old or older is a condition of sale. Therefore, by purchasing this device you are agreeing to the above terms and conditions, and to only use the VM3™ in a proper and lawful manner as intended by the manufacturer. Any illegal use of this device could subject the user to severe fines, penalties and/or imprisonment.

This device is only to be used by, in the presence of, or with the advice and assistance of someone knowledgeable in the fields of aromatherapy, naturopathy, phytotherapy, herbology, and natural, organic, or alternative healing. Likewise, only legal, safe, known, and identifiable and commercially developed and marketed essential oils, herbs, or botanicals should be used in this device.

This device is a sensitive piece of scientific equipment. It should be handled with care and never dropped or tapped on any hard surface as this could damage the delicate heating element and temperature control circuitry, and cause possible premature failure of the device. Evidence of this having occurred will void the warranty. As with any electrical device, extreme care must be taken around

water or other fluids to avoid shorting or damage to its electrical components.

Keep this device and all aromatherapy, botanical and tobacco products out of the reach of children. Study carefully all of the instructions in this brochure before using the VM3™. Even commercially marketed botanicals, herbs and tobaccos can be dangerous. Tobacco, for example, contains nicotine, which is a poison.

Just as the Surgeon General has determined that smoking tobacco [or any other herb or botanical in our opinion] can be hazardous to your health and can cause a variety of other diseases or conditions, an overdose of nicotine can be fatal. Therefore, do not vaporize or volatize any material without research, training or guidance. In this regard, a list of books, manuals, articles and research documents on aromatherapy, herbology, botanicals and phyto-inhalation can be found on our website, www.volatizer.com.

The information contained in this instructional brochure and cautionary instructions, and all of the documents and literature included with and accompanying the VM3™, were developed for informational purposes only. In no way is any of the information contained in these documents intended to be a medical or prescriptive guide or to be used for diagnosing or treating a health problem, condition or disease.

No essential oil, herb or botanical should take the place of any prescribed medication. Neither the manufacturer nor the seller of the VM3™ can be held responsible for the misuse of this device or the misuse of any essential oil, herb or botanical. You, the purchaser and/or user of this device, are responsible for your own actions.

If pregnant, nursing or diagnosed with epilepsy, a heart condition, allergies or any other medical condition, seek the advice and assistance of a physician or trained health care professional before using the VM3™, or any other vaporizer for that matter, or any essential oil, herb or botanical.

If you believe or suspect that you have a medical problem or condition, do not use the VM3™, or any other vaporizer, and promptly contact your doctor or health care provider.

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