



Professional High Frequency Machine



User Manual



What Is A High Frequency Facial?

“The high frequency facial is used to treat and prevent stubborn acne, shrink enlarged pores, reduce the appearance of fine lines and wrinkles, decongest puffy eyes, fade dark eye circles and even rejuvenate the condition of the scalp and nourish hair follicles for healthier hair growth.

Considered a timeless and essential skin rejuvenating treatment in the skin care industry, high frequency stimulates cell renewal and assists with improved skin care product penetration and absorption by gently warming the tissues of the skin.

High frequency facial machines and devices (traditionally referred to as “violet rays”) vary in design and appearance however the underlying principle, technology, and operational functions are the same. Most professional high frequency machines used in medical offices operate at a frequency of 100,000–2500,000+ Hertz (cycles per second).

The safe and gentle oscillating and oxygenating power of high frequency electrical current has been shown to enhance blood circulation, increase collagen and elastin production, eliminate toxins and acne-causing bacteria, encourage lymphatic drainage, exfoliate dead skin cells and improve skin care product absorption. The primary action of high frequency current is thermal (heat producing) and is characterized by a high rate of oscillation. Due to its rapid rate of oscillation, high frequency does not cause muscular contractions—instead, it works on the principle of skin toning.”¹

A Brief History Of High Frequency Treatment

“The first high frequency appliance was developed in the late 1800’s by renowned scientist Nikola Tesla and was referred to as the “Violet Ray”. While it offers a number of functions, before the invention of ‘modern’ antibiotics it was largely used for medical purposes such as in the treatment of strep throat and other infections and to expedite the healing of wounds.

¹ Khan, Dr Naveed A. *High Frequency Treatment for Acne*. 2017. Web. 17 Jan. 2017

French biophysicist Jacques-Arsène d'Arsonval also did early work in the area of electrotherapy. In 1892 he introduced the use of high frequency currents to treat diseases of the skin and mucous membranes. High frequency is traditionally referred to as "D'Arsonval high frequency" or the "Tesla current".

In the 1970's, European salons discovered the cosmetic and healing benefits of high frequency electrical stimulation on the skin and by 1980, the the technology became widely used in North American by skin care professionals. Considered a very safe and non-invasive approach to skin rejuvenation, high frequency technology became quickly recognized by licensed as the leading treatment for many skin conditions ranging from acne to wrinkles to hair loss."²

How Does High Frequency Work?

High frequency facial machines work in conjunction with high frequency electrodes which are made of clear tempered glass and come in a variety different shapes and sizes to facilitate the treatment of various contours of the face and body. When the high frequency electrode is firmly inserted into the high frequency hand piece, a gentle alternating electrical current is generated by the high frequency machine which then passes through the attached glass electrode upon contact with the skin. This contact ignites the inert gas within the electrode which produces healing electrical light energy and unstable oxygen which instantly converts into purifying ozone. In other words, when mixed with the air outside of the electrode, the electrical current infuses the skin with rejuvenating oxygen molecules and a therapeutic zapping or tingling sensation is experienced.

In treating aging skin, high frequency current firms and tones by causing an immediate circulation rush to the skin in addition to subtle tissue warming. These functions cause a very safe and natural contraction of the underlying blood vessels and tiny muscle groups. The dilation of the underlying vessels pushes away toxins, while the cells enjoy a feast of increased nutrients and hydrating volume. This result is in an increase in blood circulation and cell renewal as well as increased production levels of Collagen and Elastin which soften and smooth away wrinkles, reduce pore size and improve overall skin texture.

The application of high frequency current to the skin also promotes a natural cleansing and antibacterial action that helps treat existing acne and prevents the onset of new acne. Clients experiencing cystic acne will benefit greatly from the deep penetrating germicidal action of high frequency. The skin is left feeling instantly energized, rosy, firm, refreshed and noticeably softer—even after just one treatment. The enriched oxygen molecules produced by high frequency machines are safe and have been proven to be effective in helping to heal and restore the skin's health. High frequency is used to treat a range of concerns from skin lesions, acne, waxing procedures and cold sores to fine lines, sagging skin and puffy eyes.

^{2/3}Khan, Dr Naveed A. *High Frequency Treatment for Acne*. 2017. Web. 17 Jan. 2017

Common areas of treatment include the face, neck and scalp but high frequency can be used on the entire body including the back.³

What Are The Benefits of High Frequency Treatment?

High frequency facials offer a safe and gentle alternative to dramatic plastic surgery procedures, laser resurfacing, chemical peels, Collagen and Botox injections and other invasive skin rejuvenation procedures. When using high frequency for anti-aging purposes, results can vary by individual and skin type, are gradual, and do not occur overnight! Although high frequency has been shown to produce an immediate and temporary lifting effect, continued daily application can provide more cumulative long-term, lasting results. Interestingly, many acne sufferers have found improvements in their complexions after only a few days of use. Below are some of the main benefits:⁴

- Encouraging Lymphatic Drainage
- Increasing Collagen
- Improvement In Acne
- Reduction in Enlarged Pores & Blackheads
- Softening of Fine Lines, Wrinkles, and Sagging Skin
- Reduction in Eye Puffiness
- Fading of Dark Eye Circles
- Enhancing Blood Circulation
- An Improvement In The Appearance of Cellulite
- Healthier Hair Growth
- Exfoliating Dead Skin Cells

How the Electrodes Function

These professional facial machines work by using a glass high frequency electrode, which comes in different sizes and shapes in order to treat various contours of the face and body. A mild electrical current passes through the glass electrode when applied to the surface of the skin, which causes it to emit a soft glow and buzzing noise that's sometimes described as a therapeutic zapping sensation. This healing electrical light energy and oxygen converts into purifying ozone.

These high frequency currents treat aging or damaged skin by causing a circulation rush while also subtly warming the tissues, which results in firm, toned skin. The high frequency current on the skin also promotes the healing of acne, skin lesions, sagging skin and puffy eyes, and may be effectively used over the entire body.

⁴ Khan, Dr Naveed A. *High Frequency Treatment for Acne*. 2017. Web. 17 Jan. 2017

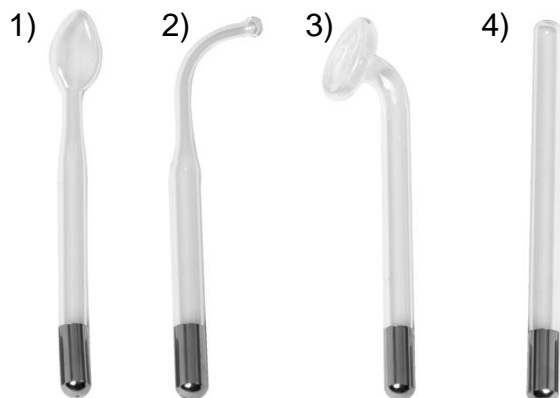
Controls & Accessories:

- 1) Power Button
- 2) Intensity Control
- 3) High Frequency Wand Port
- 4) High Frequency Wand
- 5) Electrodes



Attachments:

1. Spoon Electrode - for around the nose, mouth and other curved areas
2. Acne Sparking Electrode - treats acne and inflammation.
3. Mushroom Electrode - treats larger areas of the face and body – often used in circular motions on the client's face and neck.
4. Indirect Electrode – held in the client's hand during indirect treatment.



Prior to Beginning Treatment

- 1) Remove all jewelry from client and the esthetician
- 2) Keep clients hands away from any metal objects during treatment. Best practice is to ask them to cross and rest their arms over their torso. Be particularly careful that they are not touching the metal frame of the treatment chair or table.
- 3) Make sure that the client is not wearing contact lenses. If they are, ask them to remove them.
- 4) Explain to the client what they will feel during the high frequency treatment, describing the sparking sensation in detail.
- 5) Use of electrodes.
 - Before inserting an electrode in the high-frequency wand, make sure it is free of dust and/or debris. If there is any dust or debris, remove it. (compressed air is recommended)
 - Make sure that the electrodes are firmly inserted into the wand (to prevent possible damage to the electrodes).
 - Do not touch the metal tips of the electrodes.
 - To ensure good contact, wipe the end with alcohol pad and make sure it is dry before inserting the electrode into the wand.
 - Do not use excessive force when pushing the electrodes into the high-frequency handle. This could break the electrodes.
 - When inserting or removing the electrode from the wand, always make sure that it is being pushed straight in or pulled straight out of the wand. Do not twist or turn the electrode while it is in the wand. This can cause the electrode to become separated or damaged.
 - Make sure that power to the unit is "Off" when changing electrodes.

Maintenance & Cleaning

- Use a hospital-grade surface disinfectant to clean the electrodes. Wipe off the electrodes with a damp cloth.
- Do not immerse the electrode in any liquid. The tips will come off.
- Do not put electrodes in an UV sterilizer.
- Clean the electrode with alcohol. Make sure there is no oil residue or fingerprints on the electrode.
- Replacement parts available at www.minervabeauty.com

Trouble Shooting

If the Hand Held High Frequency unit is not working:

- 1) Make sure the knob is set in the "On" position.
- 2) Make sure the power outlet the machine is plugged into is working.
- 3) Check fuse to make sure it hasn't failed. If it has failed, replace fuse.
- 4) Make sure wand is working by inserting other electrodes.
- 5) If the High Frequency unit is still not working, contact Minerva's Customer Service Center at 1-888-332-0123.

Technical Specifications

- Power: 20 watts
- Frequency: 60Hz
- Voltage: 120v



Standard 1-Year Limited Warranty

Customer: _____ Invoice #: _____

Our warranty to you:

Minerva Beauty, Inc. (Minerva) warrants your product to be free from any physical defects in material and workmanship for a period of one year (Warranty Period) from the original date of shipment. Minerva will be responsible for third-party labor costs in all warranty

During the Warranty Period, Minerva retains the option to either repair or replace any product, part or component, which fails under normal use as a result of a defect in material or workmanship, with a comparable product, part or component. While returning items to Minerva for repair or replacement, purchaser will be responsible for all shipping costs incurred to and from Minerva, including but not limited to, duties, taxes, and brokerage fees. Warranties are non-transferable and only apply to the original purchaser.

Product failures NOT covered by this warranty:

This warranty covers defects in manufacturing that arise from the correct use of this product. It is limited to defects in materials or workmanship and **does not cover** any damage caused by normal wear and tear, abuse, misuse, unauthorized modification, lightning or power surge damage, natural variations in wood grain, figure, or presence of character marks (which result from the normal expansion and contraction of wood and wood joints as it responds to climate changes), excessive changes in surface finishes due to aging or exposure to light, marks, scars, or wrinkles occurring naturally in leather, veins, marks, voids, fissures or cracks found naturally in stone, the matching of colors, grains, or textures of natural materials, and the colorfastness or the matching of colors of textiles, including an exact match to cuttings or swatches. Minerva Beauty, Inc. shall not, under any circumstances, be liable for any chipping, fading or peeling of laminate or any acts of nature, such as, fire, water damage, freeze, etc. A licensed plumber must perform all installation for plumbing and all plumbing related equipment. Failure to do so will result in the warranty being voided. Documentation must be provided to Minerva Beauty, Inc. for ALL plumbing related warranty issues.

Limits of liability:

If these products fail or do not perform as warranted, your sole recourse shall be to repair the product as described above. We will not be liable to you or anyone else for any damages that result from the failure of this product. These damages include, but are not limited to, the following: lost profits, lost savings, lost client, damage to other equipment, and incidental or consequential damages arising from the use or inability to use this product. Express or implied warranties are disclaimed. IN NO EVENT WILL MINERVA BE LIABLE FOR MORE THAN THE AMOUNT OF YOUR PURCHASE PRICE, NOT TO EXCEED THE CURRENT LIST PRICE OF THE PRODUCT.

How to obtain service under this warranty:

RMA numbers are required for all product returns by doing one of the following:

- ☐ By calling 1.888.332.0123 and speaking with a Customer Service Representative.
- ☐ By sending an email to customerservice@minervabeauty.com

Once a Minerva Customer Service Representative verifies you have a product problem that requires you to return your product, you will be provided with an RMA number. You must acquire an RMA number and deliver the defective item to Minerva in order to obtain service under this warranty. A sales receipt may be required to verify the original purchase. All returned items must have the RMA number visible on the outside of the shipping carton. You must either use the original packing or pack the item securely to avoid damage during shipping. Items that are damaged or do not have an RMA number clearly marked will be refused and will be the responsibility of you. Ship your item pre-paid to the following address:

Minerva Beauty, Inc.
RMA # xxxxxxxx
390 Jim Daws Road
Monroe, GA 30655