

INSTRUCTIONS FOR F-812 TWO IN ONE INSTRUMENT

Ultrasonic & High -frequency

1. Ultrasonic instrument

Ultrasonic waves whose frequency is more than 20,000HZ, is a variety of sound vibration without being able to be perceived by common sense of hearing. Its functions are as follows:

. Therapeutic Function of Ultrasonic Medicinal Penetration

When the medicine is added with contact it will spread and penetrate into the tissues by the action of ultrasound and increase its therapeutic effect.

In the course of therapy, the intensity of ultrasound is generally between 0.5-1.5W/cm² (make on the display: yellow and green section), lasting for 10-15 minutes. The therapy has the following characteristics:

- (1) With wide ranging medicinal source, the drug is not limited to ionic substances.
- (2) Penetration by medicinal ultrasound is more and deeper than that by mere ointment.
- (3) The concentration of medicine is not confined to ionization.
- (4) Have nothing to do with electrode, which influences the intensity and time of medical action.
- (5) The drugs used are not confined to soluble substances.
- (6) No electric stimulation, no electric burns.
- (7) Simple operation.

The stickier the drug used, the more potent it produces and the more effective the medicine will be.

. Cosmetic Function of Ultrasound

- (1.) Soften thrombus.

When capillaries in the facial part and general circulation are obstructed, red spots on the face appear; when the mites penetrate into the skin, they also cause "brandy nose", which is difficult to cure with common drugs and common cosmetics.

The mechanical, physical and chemical function of ultrasonic pulse therapy accompanied with invigorating blood ointment is able to soften thrombus, expand blood vessels, speed up blood circulation and promote metabolism; therefore it is possible to make the abnormal vessels return to normal, and then remove the "red spot" caused by the mites and help the injured tissues return to normal.

- (2) Remove the scars after the acne is treated.

When the inflamed acne growing on the face is mistreated, pressed or extruded too much, it will cause broken capillaries, cause the blood to

penetrate outward and leave a small “red mark” on the face. Someone uses such strong ointment that stimulates the skin and causes the pigment decline, which leaves a “coffee-colored mark” on the face. Ultrasonic wave can penetrate into the skin, solve the blood stasis, improve blood circulation and metabolism of the cells and gradually remove the colored marks away. Generally, ointment treatment with ultrasound is once every other day and the course takes 10 times.

(3) Remove the abnormal skin color.

Abnormal pigmentation deposits on the skin, such as brown flecks, pregnancy flecks, butterfly flecks, are usually treated with polishing, bleaching or skin protector, whose effect is not so able. When ultrasonic treatment is accompanied with different Chinese herbal medicine or high unit vitamin C, the effect will be remarkable. It is necessary to take a minute analysis on different pigmentation flecks, abnormal flecks, including those whose cause can not be sought out of application, and abnormal skin color removed away after 1040 times. If accompanied with Chinese herbal drug or mould therapy, the result will be better.

(4) Decompose abnormal pigment and remove flecks under skin.

Flecks on the face are usually treated with freezing, burning, polishing or skin grafting etc. But frequently you will get half the result with twice the effort. If treated with ultrasound and smeared with paste for external application, the result will be better. The course lasts for 10 times and pauses for one week in the middle of proceeding. The distinctive characteristic of ultrasonic beauty instrument for external treatment is that it can destroy abnormal pigment cells of the membrane, help the paste penetrate into the skin decompose abnormal pigment. Flecks disappear during the course of metabolism.

(5) Prevent, remove facial wrinkles and blood stasis.

Wrinkles are the symbol of senility. When ultrasonic beauty instrument is applied together with high quality of anti-wrinkle paste. It is able to promote metabolism, to be antisenility and prevent the forming of wrinkles. The cause is that it acts as mechanical massage, which regulates and readjusts arrangement of the cells under skin, speeds up blood circulation, supplements the skin with nutrient and water: which leads to clean wrinkles and activated blood as well as flecks on the face.

(6) Remove “eyesack” and “black eye-rim”.

Some diseased factors such as declined catabolism cause excess lymphatic fluid, excess fat and water group in the part under the eyes, and then eyesacks form as time goes by. Besides short of sleep, over tired or obstruction of blood circulation, also cause the forming of “black eye-rim”. The mechanical massage by ultrasonic beauty instrument can accelerate blood and lymph circulation and carry excess fluid and fat away. The heat ultrasound produced helps to solve the fat so that the tissues can absorb it.

Black eyerim is thus removed; slightly massage the facial skin with ultrasonic beauty instrument along the direction of wrinkles, each time 5 minutes. This leads to improve the condition.

(7) Soften nodule and cur acne.

There are different kinds of acne. The common is suppurating acne. There are also big, swollen, nodular, painful acne. These kinds of acne result form congestion or inflammation of lymphatic vessels and difficult to cure. It is better to apply ultrasonic beauty instrument. Slightly massage the surface Of the affected part. Acne is to be massaged each time one minute or so. This will remove the symptom of congestion, change the form of the inflamed cells form under the reaction of ultrasound, thus softening nodular acne and preventing scars.

(8) Cure the sclerosis and the parchent.

This kind of skin disease results from sclerosis, dryness of crack of Skin. It is ugly to see and the sufferers feel uncomfortable. Besides taking oral medicine, the disease can be cured through the massage of ultrasonic beauty instrument accompanied with glycerin, liquid paraffin wax and high quality of skin lubricant. The therapy will rapidly improve the symptom.

(9) Regularly massage the facial skin and improve its quality.

Stimulated by different factors, the facial skin may undergo certain kind of transformation, such as growing acne, flecks or wrinkles etc. Correctly and properly applied with ultrasonic beauty instrument the texture of skin can be improved.

. Treatment For Ultrasonic Cosmetics.

The treatment by ultrasonic cosmetics consist of intensity of ultrasonic wave, period of treatment, times of treatment, points for attention during applying, course of the treatment etc.

The intensity for facial massage should be controlled between $0.5-1.25W/cm^2$.

The period of the treatment for entire face is generally for 5 to 15 minutes each time. To prolong the period will not multiply the effect of treatment.

The course may be decided according to different diseases: acne 5 times, chronic disease such as brown flecks, scars, ~~eyar~~ack, black eyerim etc, one time every other day, one course lasts for 10 times.

Prevention treatment: 1 or 2 times every week. If the patient's condition takes a serious turn during the specific treatment, reduce the intensity and suitably prolong the course of treatment, the interval between the two courses should be 1-2 weeks. If the treatment adds up to 3-4 courses, the interval may be prolonged after the second period.

The ultrasonic beauty instrument has 2 kinds of wave state. The first is successive wave (), the second is pulse wave (). The first is a beam of

successive ultrarays, which emit it constantly, and the intensity is remarkable. The second is a beam of interval ultrarays, which emit it constantly, and each pulse lasts for a tiny fraction of a second. Therefore the important characteristic is that the heat effect is so remarkably reduced that the mechanical action can be brought into full play.

The decision of wave state: generally, pulse state is suitable for the inflammatory or capillaries-expanded diseases while successive state is suitable for the others.

. Method and Steps for Ultrasonic Cosmetics.

Ultrasonic cosmetics adopts direct touching radiation. During the treatment, the ultrasonic head is demanded to get in touch directly with the skin. Gently and slowly moving the head, circular or back and forth on the treated position, 0.52W/CM² per second is suitable.

Steps:

1. Before treatment, clear up your facial skin with washing emulsion.
2. Wipe off the emulsion, to operate your face with steamer for 10 minutes.
3. Clean up any dirt and acne on the face so as to prevent the ultrasonic wave taking them into the skin.
4. Gently slap yourself on every part of your face with astringent.
5. After wiping the astringent off, your facial skin will obtain thorough sterilization and optimum protection.
6. To make analysis of your skin in the classification carefully, and select the suitable ointment.
7. Put the adequate amount of ointment selected homogeneously on your face.
8. Put the instrument plug into the power socket.
9. Push the button "POWER" and "ULTRASONIC"; adjust the intensity of the energy according to "U/Energy" display. Generally to the green and the yellow section, also vary with the skin quality, age and forbearance of the patient.
10. Select corresponding wave state successive wave (), pulse wave () according to the necessity from choosing the button "STATE".
11. Grasp the ultrasonic detector, to massage the part that has been applied with different ointment. The time needed varies with different facial parts or body.
12. Wash the ultrasonic head after the treatment.
13. If it is possible, to mould the face with selected Chinese herbal drug on the skin.

. Attention

1. Wash the face or affected part before the treatment.
2. Before the ultrasonic treatment, be sure that enough cream has been applied on the skin.

3. It is enough for 15 minutes of application, to prolong the time does not improve the effect.
4. The temperature of the ultrasonic detector does not indicate the power of the instrument. Generally, low temperature is suit for the facial treatment. Higher temperature is suit for the body treatment. Too high temperature may burn your tender skin.
5. If the affected part is too small or too sensitive like the part around eyes. It is necessary to use small ultrasonic detector. The energy output should be limited between 0.5-0.75W/cm (green mark on the "ENERGY" display); the time may be prolonged to 8-10 minutes.
6. If the sufferer is sensitive. Adjust the heat intensity during the application. For those who are sensitive, the application should be more slightly than for the others
7. The course is generally consisted of 10 periods, once every other day. If applying another treatment, one week of pause is necessary.

. Method of Operation

1. Check on whether the machine, which corresponds with that, needs the voltage supplied. Switch on the set after examining carefully.
2. Connect the detector correctly.
3. Push the "POWER" and "ULTRASONIC" button to "ON", the indicator corresponding lights, and some other indicators also light up, no energy is output. The instrument is standby now.
4. According to the necessity to push the button "ELECT" select right port "R" or left port "F" for the output port of treatment, to push the button "STATE" select wave () or (), to adjust the knob "U/Energy" (0.5-3.0W/CM²) to corresponding energy while start to operate.
5. After the treatment, turn off the "U/Energy" first, then the "ULTRASONIC" and switch off ultrasonic function.

. Notes:

1. If the detector does not output, please check if the right detector is selected.
2. Clean detector with clear water and keep it dry after the treatment is completed.

. Warnings!

1. Do not leave the detector unattended while it is outputting, otherwise, may quickly shorten its lifetime for over heated.
2. Do not attempt to separate the stainless steel detector and the handle, any attempt to fasten may cause detector damages.
3. Forbid to open up the cabinet by oneself. If there is anything unusual, please consult the sales agent, and send for skilled technicians.

2. Instructions for High frequency Electrotherapy

. Theory of High Frequency Electrotherapy

High Frequency Electrotherapy instrument generates high speed vibrating current, which may convert to heat energy and kill bacteria. As the vibration is too fast, it won't cause muscle shrinkage. And it gives physical stimulation.

Function:

- a. Accelerate the blood circulation.
- b. Stimulate the glandular activity.
- c. Help the skin for excretion and absorption.
- d. Promote metabolism.
- e. Kill bacteria
- f. Generate heat energy inside skin tissue.
- g. Help beauty cream penetrate into deep skin

. Instructions

First choose a proper glass electrode pipe and insert to the output mouthpiece of electrotherapeutic pole handle, then connect it to the instrument.

Glass electrode pipes assignment position:

- a. Mushroom-shape electrode pipe-- used for large area of skin: face, forehead, neck, etc.
- b. Ladle-shape electrode pipe-- used for medium area of skin: chin, etc.
- c. Dot-like electrode pipe--- used for small area of skin: nose, etc.
- d. Straight electrode pipe--- used for indirect treatment.

. Direct usages:

- a. Beautician grasps the handle of Hi-frequency electrotherapeutic pole (try not to touch glass electrode pipe with hands or metal objects), and turn *"H/Energy"* button to minimum.
- b. First power on *"Hi -Frequency"*, and turn *"H/Energy"* button to minimum, then touch the body part that is to be treated with glass electrode pipe, slowly adjust the *"Hi -Frequency"* button clockwise until mild hi-frequent current will be felt. If the face is covered with cream or mask, move the glass electrode pipe upward from client's neck, slowly slide to chin, face, cheek, nose and forehead. In the course of treatment, you should slowly adjust the *"H/Energy"* to the appropriate intensity.
- c. As the skin tissue generates heat energy, it may comfort and calm the skin by directly using the Hi-frequency Electrotherapy, meanwhile it is efficiency for killing bacteria. It is applicable to oily and with acne skin.
- d. After treatment, slowly twist *"H/Energy"* button to minimum, and power off *"Hi -Frequency"*, and take away the glass electrode pipe from the client's face.

. Indirect usages:

First let the client hold the straight electrode pipe, and power on the *"Hi-Frequency"*, gradually turn the *"H/Energy"* to the desired intensity, then the beautician massages client's treated part. In the whole process, the beautician does not touch the electrode. The beautician must power off before taking away the glass electrode pole from the client.

Indirect usages will accelerate and comfort the skin at the same time

. Cautions:

- a. The glass electrode pole will sparkle when it is still in less than 1 inch distance from the skin while the instrument turning on, please reduce the energy of Hi-Frequency. If the client still feels the sparkle existing, may cover the face with a small piece of dry cotton towel but not the nylon or synthetic fiber one.
- b. For preventing electric shock, beautician must choose the minimum intensity before touching the client's face, and slowly increase the ~~H~~frequency energy.
- c. Before taking away the glass electrode pipe from the skin, must twist the *"H/energy"* to minimum, then power off and take it away.
- d. When loading/unloading the glass electrode pipe, must turn the ~~H~~*"H/Energy"* to minimum, and power off *"H/Energy"*.
- e. Glass electrode pipes must be kept clean and dry, and sterilized before or after use.

. Warnings!

- a. Clients are not allowed to reach any metal objects like jewelry, if wear any, must take off all objects before treatment.
- b. That Pregnant women and people fitting rhyme adjuster by operating (like heart-rhyme adjuster) are not allowed to use ~~H~~hi-frequency electrotherapy.
- c. Cream or mask used in ~~H~~frequency electrotherapy treatment must not contain spirit. If have to use any makeup water with spirit, may use it after treatment.
- d. Do not touch eyeball with any electrode pipe.
- e. Forbid to touch the metal output mouthpiece of the ~~H~~frequency electrotherapy instrument or handle when it is still power on.