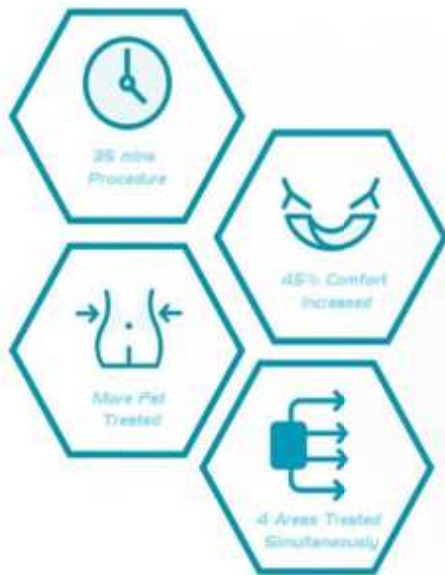


360 Surrounding Cooling & Thermal Shock System Treatment Guide



Warning!!!

Before attempting to use or operate the system, operator should read this manual and become thoroughly familiar with all its safety requirements and operating procedures.

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INTRODUCTION

BP-Cryo-502 is the most advanced device allows not only performing Cryolipolysis alone, but also treating under Thermal-Shock therapy according to very precise time, speed, temperature, energy rates piloted automatically through software.

360 Surrounding Cooling Technology with Built-in Electroporation

360° surround cooling technology is unlike the conventional two-sided cooling method, its unique cooling EMS delivery system transfers targeted cooling energy thoroughly to the treatment area and also delivers faster energy through its higher cooling conductivity.

Thermal Shock Lipolysis Technology

Thermal shock lipolysis also called thermal contrast lipolysis, which combined two sources (Cryolipolysis and Hyperthermia), The target area is treated with a triple thermal shock of heating - cooling- heating, applied for a specific duration by using sophisticated automated software in a dynamic, sequential and temperature-controlled manner.

How Does It Works

- Pre-heating

The area is covered with a short heating treatment to approx. heated to 42°C to 45°C.

- Cooling

A thermo-shock effects caused by the fast changes from heat to cold on the treated tissue. The treated tissue is optimal chilled and preserved a viscosity similar to one piece of butter.

- The relaxation procedure - Heating

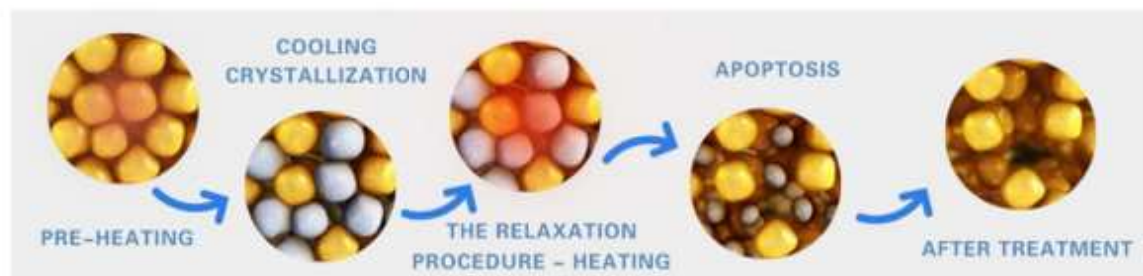
In the final heating phase, it comes to a rapid transition from cold to heat. This is to improve blood circulation and metabolism stimulated.

- Apoptosis Procedure

The crystallized fat cells then undergo apoptosis, and they are naturally eliminated from the body by its metabolic processes.

- After treatment

The treatment results turn out to be positive and a significant reduction on the treated adipose tissue.



3) Applicators

Adaptable 3-in-1 Configuration

Applicators are designed with three interchangeable contours to adapt for areas of curved contours like the back, waist and sub-buttocks, broad areas such as the flanks, love handles and calves, and for fat folds small and large, from the abdomen and back to the arms, knees and under the chin.



4) System Overview

Before the System leaving factory, the Company will do the best to protect the equipment during transportation

System is shipped by third party

NOTE

Any damage to the packaging or to the system found prior to opening the package should be reported to Company by photos and to the insurance carrier.

Equipment List

Please carefully check the following illustration showing that the System should include:

1. Main unit
2. Body applicators x4, Chin applicator x1
3. Operator's Manual
4. Power cable
5. Applicator support
6. Extra fuse
7. Caliper x1
8. Tape measurement x1
9. Anti-freezing membrane x10
10. Necessary maintenance elements



General Precautions and Warnings

The following precautions, cautions and warnings must be observed for the safe use of the system.

Precautions

1. Operator should read this manual thoroughly before attempting to operate the system.
2. Probes must be kept clean at all times.
3. The system is heavy and may cause injury if proper care is not used when moving it. The system is well balanced and is designed to be moved, but should always be moved carefully and slowly. Never pull the system by the probes.

Cautions

1. Only after Our company' authorization, then may service the system. This includes making internal adjustments to the power supply, operation system, applicators, etc.
2. Maintenance performed by the operator must only take place when the system is turn off and disconnected from the electrical power. Performing maintenance procedures with the system powered-up can be hazardous to the operator and/or destructive to the system.
3. Always turn off the system when it is not in use.
4. Never leave the system in Pause Mode and Start Mode unattended.
5. Never press the Start Softkey unless the probe is safely oriented at a specific and intended target.
6. The applicators must always be visually inspected before treating the patient. If any damage is apparent, do not use the probes.
7. Never leave the system turned on, open or unattended during system maintenance.

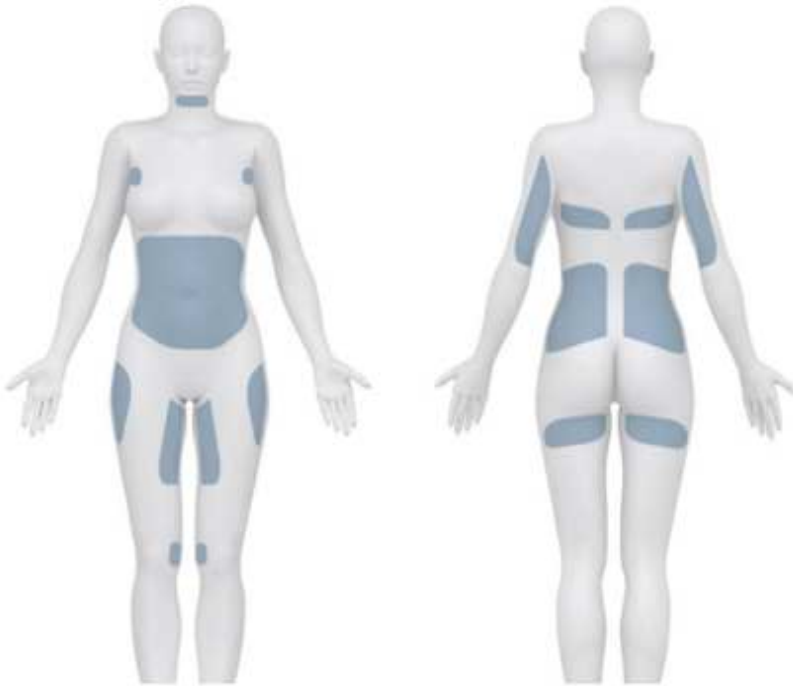
Explosion and Fire Hazards

1. The system is not suitable for use in the presence of flammable mixtures with air or oxygen.
2. Do not operate in the presence of volatile solvents such as alcohol, gasoline or other solvents.
3. Do not use any flammable substances such as alcohol or acetone in the preparation of the skin for treatment. If necessary, use soap and water to clean skin before treatment.
4. If alcohol is used to clean and disinfect any probe, allow it to dry thoroughly before operating the system.
5. Flammable materials must be kept at a safe distance from the system.

BEFORE THE TREATMENT

1) Appropriate patients for treatment

- A person who is in relatively good shape, but who has some modest deposits of unwanted fat.
- A person seeking spot reduction of specific areas of fat.
- The procedure is not for weight loss or obesity.
- If the target area is thin, treatment may not be appropriate and clinical results may greatly vary
- Common applications are shown below:



2) How to consult with patients

● Document the patient's medical history

- Current medical conditions and medications
- Previous surgeries
- Drug allergies
- Past medical diagnoses and treatments

● Assessment of the target treatment areas

- Consult with your patient on where to treat
- Two applicators can work simultaneously, for example, lower belly right and left, upper arms right and left, etc.
- Patient selection is the single most important aspect in success of treatments. Ensure proper assessment is made before treating any area, and explain to the patient why some areas are not ideal to treat.
- Stress the time-saving aspect of the treatment to your patient.

- **Treatment Applicator selection**

Zfit

Zfit applicator is specifically engineered with a flat design to sculpt fat away from vertical areas like the inner thighs to slenderize the inner thigh region



Zcore

Zcore Applicator can fit for most of medium size fat folds, idea to treat stubborn belly fat and leave the abdomen with smoother, leaner contours



Zcurve

Zcurve Applicator to custom target the curvy parts of the body where fatty bulges can gather, like the love handles and flanks.



- **Patient communication regarding**

treatment

- How it works
- Potential levels of discomfort
- Possible side effects
- Answers to any specific patient questions.

3) Pain management

The procedures do not require anesthesia. During the procedure, the patient will feel a moderate amount of discomfort for the first ten minutes, but this will steadily diminish as the tissue becomes numb from the cold applicator. When the applicator is first applied, the feeling is that of the skin being pulled strongly into a vacuum.

When the cooling process begins, there may be a stinging or cold sensation for the first ten minutes. The patient should then feel quite comfortable for the remainder of the treatment.

4) Contraindications

If the patient suffers from any of the following, you should not use cold therapy.

- Impaired sensation. Patients cannot report when they become anaesthetized from cold. Tissue damage may occur slightly below the temperature that produce numbness.

- Impaired circulation. Tissue damage may result from vasoconstriction.
- Surgical or other open wounds less than 14 days old.
- Hypersensitivity to cold, such as Raynaud's phenomenon, cold urticaria, cryoglobulinemia, and paroxysmal cold haemoglobinuria.
- Angina pectoris or any cardiac disease.
- Degenerating peripheral nerves.
- Arteriosclerosis
- Varicose veins
- Diabetes
- Anemia
- Chills
- Skin conditions (rashes or open wounds)
- Cancer

5) Safety Precautions

- **Aspirin** - If the patient is taking any amount of aspirin on a daily basis, it may be appropriate to continue to take it under medical supervision and with the treating practitioner's knowledge. However, if the patient is taking aspirin purely for prophylactic reasons, it should be discontinued 10 days before treatment.
If the patient is taking Coumadin, you should consult with the prescribing doctor regarding whether or not it should be discontinued for the procedure.
- **Supplements** - Vitamin E, Ginseng, Garlic tablets and Gingko Biloba should be discontinued two days before a procedure.
- **Pain Relief** - Non-steroidal anti-inflammatory agents, such as Motrin, Ibuprofen, Advil, Celebrex, Nuprin, Feldene, Clinoril, Alleve, Naroprosyn, or Anaprox must be discontinued two days before treatment. This will assist in minimising any chance of bruising. Patients can resume these medications the day following treatment.
- **Alcohol** - Alcoholic beverages such as beer, wine and liquor is recommended to be avoided prior to the procedure. Patients may resume them the day after the procedure.
- **Clothing** - Patients should be instructed to wear loose, comfortable clothing on the day of their procedure. There may be post-procedure swelling, and as the numbness wears off, the patient may be aware of some discomfort in the treated area.
Trousers with tight waistbands, belts, and other restrictive clothing should be avoided.
- **Pain** - If the patient experiences pain after treatment, recommend Extra Strength Tylenol. Avoid NSAIDS and Aspirin until the day after treatment. A compression garment may be given to patients, and this will help reduce discomfort.
Patients should expect some discomfort after the procedure; however, if this becomes intolerable, they should contact their practitioner for advice.
- **Activities** - Since the procedure is non-invasive, patients may resume normal activities normal activities immediately. They should continue to wear comfortable clothing for

the first 2 days, then gradually return to more fitted clothing as the body tolerates it.

- **Results** - Patients should see results as early as three weeks after treatment. More dramatic results should be apparent after two months, and improvement should continue for a further two months or more. The body will continue to flush out the fat cells for up to three months, so improvement should continue through that time period. The result of treatment is the elimination of the treated fat cells. The patient should be encouraged to maintain a healthy regimen of diet and exercise in order to enjoy the full long-term benefits of treatment.

6) FAQ

Q: Should patients avoid any medications when undergoing procedures?

A: Patients should cease taking any medications that affect blood circulation 10 days before treatment. Over-the-counter medications such as aspirin, anti-inflammatories and fish oil supplements could make bruising more likely and should not be taken for 10 days before treatment.

Q: What is a normal response after the procedure?

A: After the treatment finishes, the area may feel tender or stiff. Some patients can observe redness in the treated area, but this typically fades in a few hours. Patients are free to engage in normal activities immediately after the treatment.

Q: What results should be expected from treatment?

A: Patients should normally see a noticeable improvement in the treated area after 6 weeks. Remaining fat cells continue to be gradually eliminated from the body, resulting in further fat reduction. The full benefit of the treatment should be seen after 90 days, at which point the practitioner can determine whether another treatment is needed.

Q: What is Apoptosis?

A: Apoptosis is the process of programmed cell death (PCD) that may occur in multicellular organisms. Biochemical events lead to characteristic cell changes (morphology) and death; other cells clean away the dead cells, leaving no trace of them in the body.

Q: How much is the size of the treated area likely to reduce?

A: Studies indicate that one session (applying one applicator) can reduce the size by 2 to 3 centimeter. Given that **BP-Cryo-502** has four applicators, it is possible to reduce the size by twice of the abdominal areas and thighs in a same session.

Q: How long does a treatment take?

A: Treatment takes 35-60 minutes. The practitioner should determine the time and level of procedure according to the targeted area. The patient can relax, sleep, read or listen to music in a comfortable position during the treatment. It is important not to exceed the recommended treatment time.

Q: How many treatments are needed?

A: It depends on the thickness of the fat. Treatment can be repeated on the same area at 90-day intervals.

HOW TO DO TREATMENT

1) Protocol for treatment

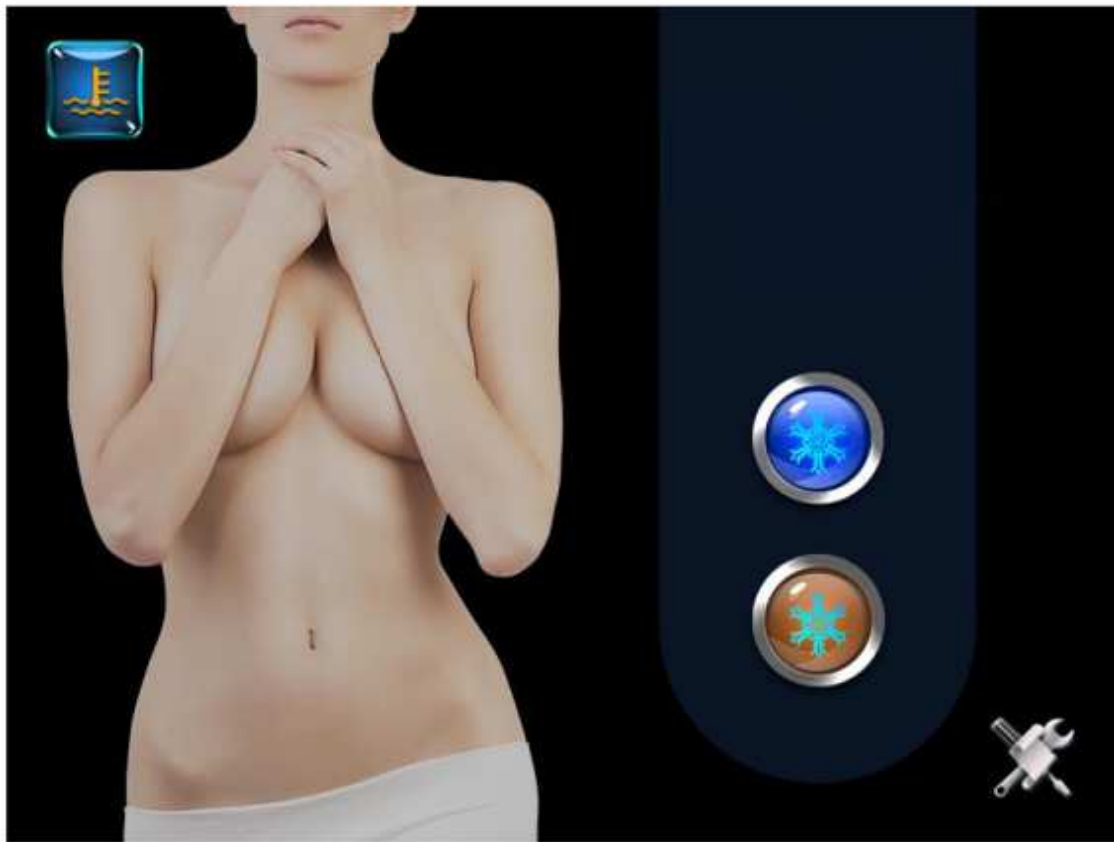
Please note that parameters may vary, depending on the particular characteristics of each patient.

Cooling Treatment Protocol	
Submental area Knees Under arms	TX time set: 20 - 35 min EMS Level: 3 – 5 Suction Level: 1 - 2 Cooling Temperature: 4 to 0°C
ARM	TX time set: 20 - 35 min EMS Level: 3 – 5 Suction Level: 1 - 2 Cooling Temperature: 4 to -2°C <i>For upper arm treatment, do not exceed 40 minutes to protect the ulnar nerve from damage.</i>
ABDOMEN	TX time set: 35 - 40 min EMS Level: 10 – 20 Suction Level: 2 - 4 Cooling Temperature: 4 to -5°C
FLANK	TX time set: 35 - 40 min EMS Level: 5 – 10 Suction Level: 2 - 3 Cooling Temperature: 4 to -2°C
BACK	TX time set: 35 - 40 min EMS Level: 5 – 10 Suction Level: 2 - 3 Cooling Temperature: 4 to -2°C
THIGH	TX time set: 35 - 40 min EMS Level: 5 – 15 Suction Level: 1- 2 Cooling Temperature: 4 to -2°C

Thermal Shock Treatment Protocol	
Submental area Knees Under arms	TX time: 40 min Three stages: heat 5 mins + cooling 30 mins + heat 5 mins EMS Level: 3 – 5 Suction Level: 1 – 2 Cooling Temperature: 4 to 0°C, Heating Temperature: 40 to 42°C
ARM	TX time: 40 min Three stages: heat 5 mins + cooling 30 mins + heat 5 mins EMS Level: 3 – 5 Suction Level: 1 - 2 Cooling Temperature: 4 to -2°C, Heating Temperature: 40 to 42°C <i>For upper arm treatment, do not exceed 40 minutes to protect the ulnar nerve from damage.</i>
ABDOMEN	TX time: 45 - 60 min Three stages: heat 5 -10 mins + cooling 35 to 40 mins + heat 5 -10 mins EMS Level: 10 – 20 Suction Level: 2 - 4 Cooling Temperature: 0 to -5°C, Heating Temperature: 40 to 42°C
FLANK	TX time: 45 - 60 min Three stages: heat 5 -10 mins + cooling 35 to 40 mins + heat 5 -10 mins EMS Level: 5 – 10 Suction Level: 2 – 3 Cooling Temperature: 4 to -2°C, Heating Temperature: 40 to 42°C
BACK	TX time: 45 - 60 min Three stages: heat 5 mins + cooling 30 mins + heat 5 mins EMS Level: 5 – 10 Suction Level: 2 - 3 Cooling Temperature: 4 to -2°C, Heating Temperature: 40 to 42°C
THIGH	TX time: 45 - 60 min Three stages: heat 5 mins + cooling 30 mins + heat 5 mins EMS Level: 5 – 15 Suction Level: 1- 2 Cooling Temperature: 4 to -2°C, Heating Temperature: 40 to 42°C

2) How to Treat

Turn on the machine, after flash finished, touch any spot of the display and enter into system interface.



Make sure filling 13 Liters of water or coolant into the machine before using its functions.



Water charging icon, touch it to start auto water filling process.



Water charging icon, shows working status when in water filling process.



Stands for Cooling system, touch it enter into cooling system working interface

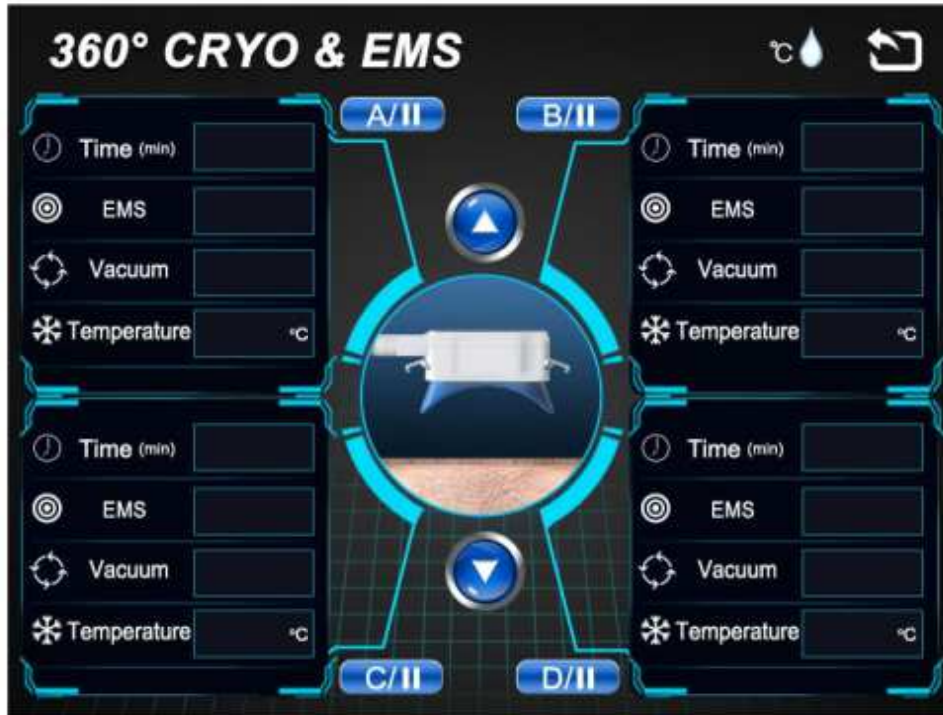



















Stands for Thermal-shock system, touch it enter into Thermal-shock setting interface



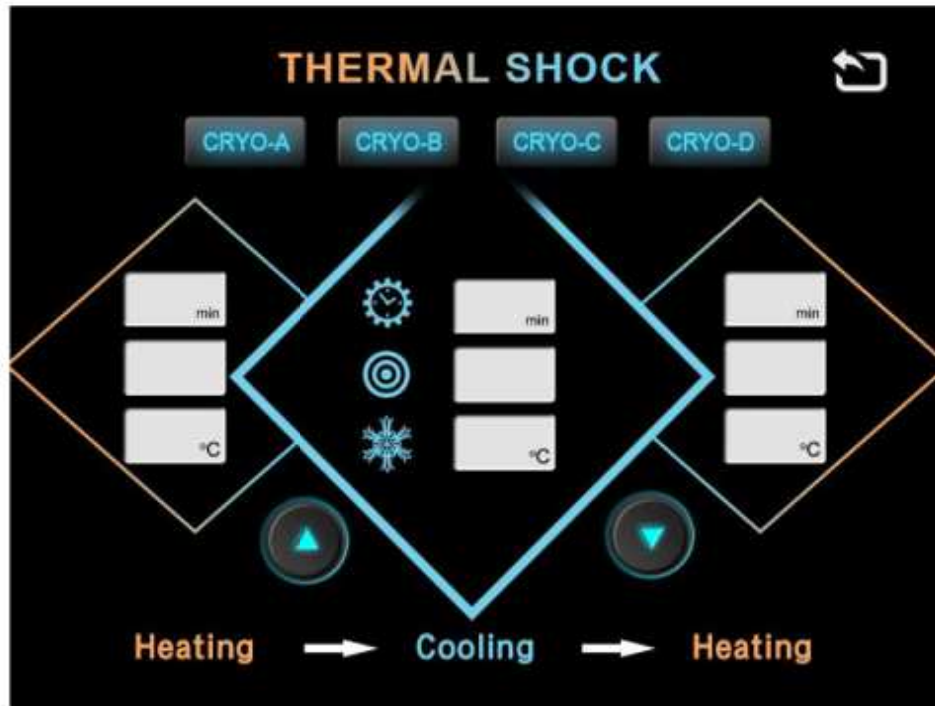
Setting icon, touch it enter into password interface












360 Cooling system operation



1.  **Time (min)** : Time setting icon, touch and set treatment time through  increasing icon and  decreasing icon
2.  **EMS** : EMS energy level setting icon, touch and set EMS energy through  increasing icon and  decreasing icon
3.  **Vacuum** Vacuum inspiration icon, touch and set vacuum level through  increasing icon and  decreasing icon
4.  **Temperature** °C Temperature icon, touch and set treatment temperature through  increasing icon and  decreasing icon
5.     Start and Pause
6.  Return to the Home-page System Interface.


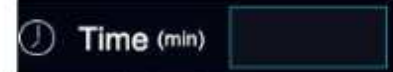
















360 Thermal-shock System Settings



1.  Functional Icon for each applicator, Touch it to active parameter settings for each handle.
2.  Time setting icon, left side to set pre-heating time, middle to set cooling time, right side stands for phrase 3 heating time, by touching  increase  decrease
3.  EMS power setting icon, touch and set EMS energy through  increase icon and  decrease icon
4.  Temperature icon, set temperature of each phrase through  increase icon and  decrease icon
5.  Return to Thermal-Shock Working Interface

360Thermal-shock Working Operation



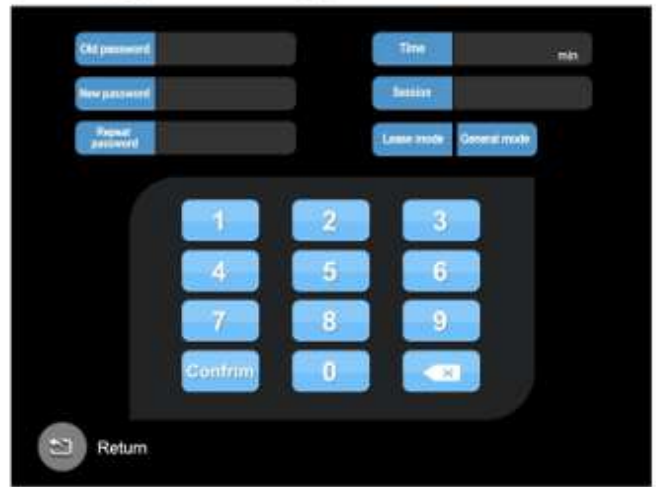
1.  Shows working status of Heating-Cooling-Heating
2.  Time (min) : Time setting icon, touch and set treatment time through  increasing icon and  decreasing icon
3.  EMS : EMS energy level setting icon, touch and set EMS energy through  increasing icon and  decreasing icon
4.  Vacuum Vacuum inspiration icon, touch and set vacuum level through  increasing icon and  decreasing icon
5.  Temperature °C Temperature icon, touch and set treatment temperature through  increasing icon and  decreasing icon
6.     Start and Pause
7.  Return to the Home-page System Interface.

Rental System

Password interface



Rental system settings



Password interface

Insert owner password, and confirm, enter into rental system settings interface.

When use this system at first time, use the initial password 88888888



Return to Homepage

Rental System Settings



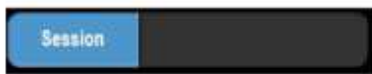
1. Change owner's password when necessary through the left password functional icons



2. Choose the working mode of the device, General mode stands for owner mode, machine never has treatment limitation. Lease Mode stands for rental system



3. Set single time for charging measurement.



4. Set sessions for rental, A single time count 1 session. For example, single time set 30 mins, session set 4, take 1-hour treatment for example, machine can offer 2 treatments under rental system.



5. Return to Thermal-shock working interface

3) Treatment in Sequence

Consultation

- Location of treatment
- Current medications

Design area

- For accurate treatment, mark the where the applicator should be placed while the patient is standing.
 - Be sure to place the anti-freezing membrane on the target area before starting treatment.
- Ensure the whole treated area covered with membrane

During treatment

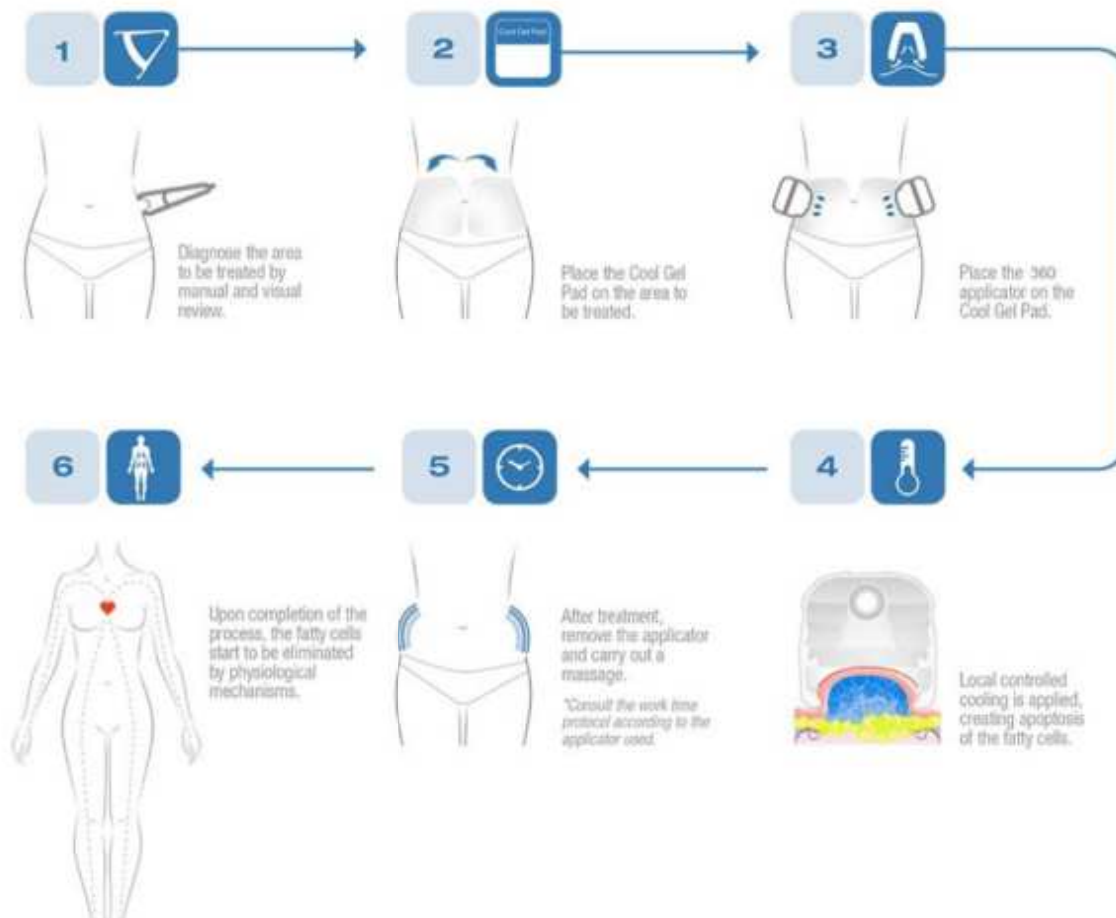
The procedure usually takes between 35 to 60 minutes. It is important to keep the patient in a comfortable, neutral position throughout treatment to achieve optimal results.

Removing the applicator

- When you hear the alarm from the machine, you should remove the applicator.
- Remove the anti-freezing membrane
- Clean off the remaining gel.

Massage

Massage the treated area for 2-5 minutes



POST TREATMENT

1) Recommendations for post-treatment care

- When the applicator is removed, the treated area will feel cold.
- Massage: after 35-60 minutes, the treatment is completed and the handpiece is removed. The treated area will be firm immediately after the procedure. Massage can optimize the treatment results. It also helps remove stiffness, reduce the cold sensation and redness.
- Compared to liposuction surgery, the procedure is non-invasive, and anesthesia or pain medication is not generally required. Downtime or scarring are extremely unlikely.
- No difference in fat deposits can be seen immediately after the treatment. About a month after treatment, the patient will see a visible reduction of fat in the treated area.

2) Planning further treatments

Additional treatments can help achieve the desired outcome. After 20 to 30 days, the same area can be treated again. When planning a second treatment on the same area, it is recommended that you customize the plan, changing applicators, and varying the location slightly.

3) Maximizing treatment benefits

- Patients should expect slight discomfort after the procedure.
- Patients may resume their normal activities immediately after the procedure.
- Patients should be encouraged to maintain a healthy regimen of diet and exercise after treatment.

4) Normal response vs. side effects

- Chilling: During the procedure, the patient will feel a moderate amount of discomfort for the first 10 minutes. This will steadily decrease as the tissue becomes numb from the cold applicator.
- Erythema (redness): The treated area may exhibit erythema immediately following the treatment. This typically resolves within a day of treatment.
- Bruising: Mild bruising, which is caused by strong suction to soft tissue blood vessels, may occasionally occur and typically resolves within 2-3 weeks of treatment.
- Discomfort: Initial discomfort may be experienced during the first 10 minutes of the procedure.
- Numbness: The patient could experience a temporary dulling of sensation in the treated area. This can occur up to 2-4 weeks after the procedure.
- Itchy feeling: A mild itchiness may occur in the treated area that may last 2-4 weeks after the procedure.
- Stiffness: The patient's skin may feel sensitive to touch following the procedure. This is a normal and temporary response.

Technical Parameters

Minimum temperature	- 10 °C
Maximum temperature	45 °C
Handpieces	Total Pieces, Four body, one Chin handpiece
Cooling system	4 independent cooling systems
Vacuum system	4 independent vacuum systems
Vacuum pressure	100Kpa / 700mHg
Graphical User Interface	8" Colour Display Touch Screen

Power Supply

Power supply Red monofase	100-240 V
Maximum power	1600 W
Cooling capacity in each handpiece	100 W programming 0 °C with a Tamb of 25 °C

Accessory

4x Body applicator 1x Chin applicator
 1x Caliper 10x Coolpad 1x Circumference tape measure

Dimensions 610 (W) mm x 1140 (H) mm x 610 (D) mm

Weight < 60 Kg

After Sale Service

1) Warranty Coverage

Our company warrants defects in materials and workmanship for a period of 1 year from the date of original purchase.

Our company will repair these products at no charge or refurbish the parts if it has any abnormal condition.

2) Exclusions

This warranty is void and invalid in case of;

Damage caused by accident, abuse, misuse or misapplication; it will be charged for spare parts replacement.

Damage caused by service performed by anyone who is not technician or qualified by manufacturer.

A product or part that has been modified without any permission of manufacturer.

A Product that has no serial number.

3) Maintenance

Our company provides lifetime maintenance. Only charge the cost for replacing the component.