

Hebei Zhemai Technology Co.,Ltd

# SKIN AIR COOLING MACHING

## USER MANUAL



# Safety precautions

I. Safety Precautions before powering on, running, and maintaining inspections, you must be familiar with the contents of the manual to ensure proper use. You must also be familiar with the condition of your equipment and all safety related precautions when using it.

## ! note

- After receiving the device, it should be placed upright for more than 3 hours.
- It should be placed smoothly to reduce vibration.
- Moving should prevent the outdoor unit from tilting more than 30°, and should not be placed horizontally or inverted.

## ! warning

- The fault of this product is expected to cause a major accident or loss, other safety devices must be installed, otherwise

we will not be liable for the damage caused.

- It must be confirmed that the input power of the surface cooler is in accordance with the requirements of the unit,

otherwise the surface cooler will be damaged.

# Product introduction

- product description

The skin air cooler adopts a variable frequency air compression fan device to compress the air and then spray cold air through the refrigeration device. The cold air cools the skin to protect the epidermis, reduce pain and enable high energy density

without damaging the epidermis. The purpose of the target tissue.

- Treatment range

Widely used in 808nm laser, fractional laser, blasting laser and other beauty fields 3, product advantages All 808 laser, fractional laser, enamel pigmentation and other cosmetic surgery need to protect the skin, the skin air cooler can the

epidermis is provided with cold protection before, during and after surgery to protect the epidermis from thermal damage caused by photothermal action.

## Product advantages

The thermal damage that has already occurred after surgery can also be mitigated by the cold protection provided by the epidermis cooler to alleviate the possible blackening effects. The epidermal cooling fan is cooled by pre-operative cooling, which increases the tolerance of the epidermis to thermal damage, thereby reducing the risk of thermal damage to the

epidermis. The Skin Cooler protects the epidermis with powerful intraoperative cooling, making it possible to apply high energy density to deep target tissue. The skin cold air blower protects the dermis and subcutaneous tissue by providing a strong protective effect on the epidermis, thus ensuring better skin rejuvenation, weight loss and sputum. The epidermal cooling fan recovers from postoperative cooling, which reduces the risk of thermal damage to the epidermis and greatly improves the customer's treatment experience and comfort, which is conducive to improving customer satisfaction.

# Parameters

model	HS-CL15 CL15A
supply	220/110V
Air volume	0-2m³/min Infinitely variable speed
power	800W
noise	<60db
refrigerant	404A Environmental grade
lowest temperature	-20°C
weight	50kg
volume	760*300*850mm
Package Size	900*400*900mm

## Product installation

### 1 Skin Air cooler installation

(1) The skin air cooler should be installed in the horizontal plane.

(2) The heat generated when the skin air cooler is operated should ensure the circulation of air, and there should

be a certain space around the installation.

### 2. Handle connection

Bracket connection: Install the bracket into the threaded hole on the top surface of the skin air cooler and tighten

the bracket with a wrench.

Air tube connection: The air outlet of the skin air cooler should be connected with the air inlet of the air tube. The front end of the air duct is clamped to the front end of the bracket, and the middle pipeline is closed on the hook in

the middle of the bracket.

### 3. Power cord connection

Power supply requirements: single phase 220V  $\pm$  10%.

(1) Check if the power supply voltage is within the allowable voltage range.

(2) The grounding terminal must be well grounded to prevent electric shock or fire.

(3) After connecting, please check if the connection is correct.

## Operation guide

- After connecting the power supply, put the switch on the rear panel of the device to the on position.

Put the skin air cooler switch in the "on" position, the pump runs, and the compressor and condenser fan run for 3 minutes.

When the actual measured temperature **exceeds** the range of 10-35 °C, the temperature controller <input value display> will flash, prompting the user to over-limit the temperature, which is a normal phenomenon. When the water temperature returns to the range of 10-35 °C, it stops flashing.

#### 1 Boot process

Press the **skin air cooler** power switch button, the touch screen starts to work, depending on your beauty project, you can select the temperature

level, then click the touch screen switch button to set the air volume switch to 1 position, when the temperature is close to or reach the temperature level setting. At the temperature, you can start working and choose the appropriate wind speed according to your tolerance to cold air and the needs of the project.

#### 2. Adjust the wind speed

Adjust by the air volume adjustment button on the panel, up to 5 steps. As the wind speed increases, the noise will increase slightly, generally in the 2-4th position. The higher the gear, the larger the air volume, the lower the coldness the customer feels.

#### 3 Defrost

When the skin air cooler works continuously for about 2 hours (the humidity of the air may vary with the length of time), the defrosting can be

performed when the bellows temperature is higher than -20 or the air volume is significantly reduced without changing the fan gear position. Press the defrost button to cool the air. When the machine enters the defrost state, it will no longer be cooled. When defrost, be sure to select the air volume

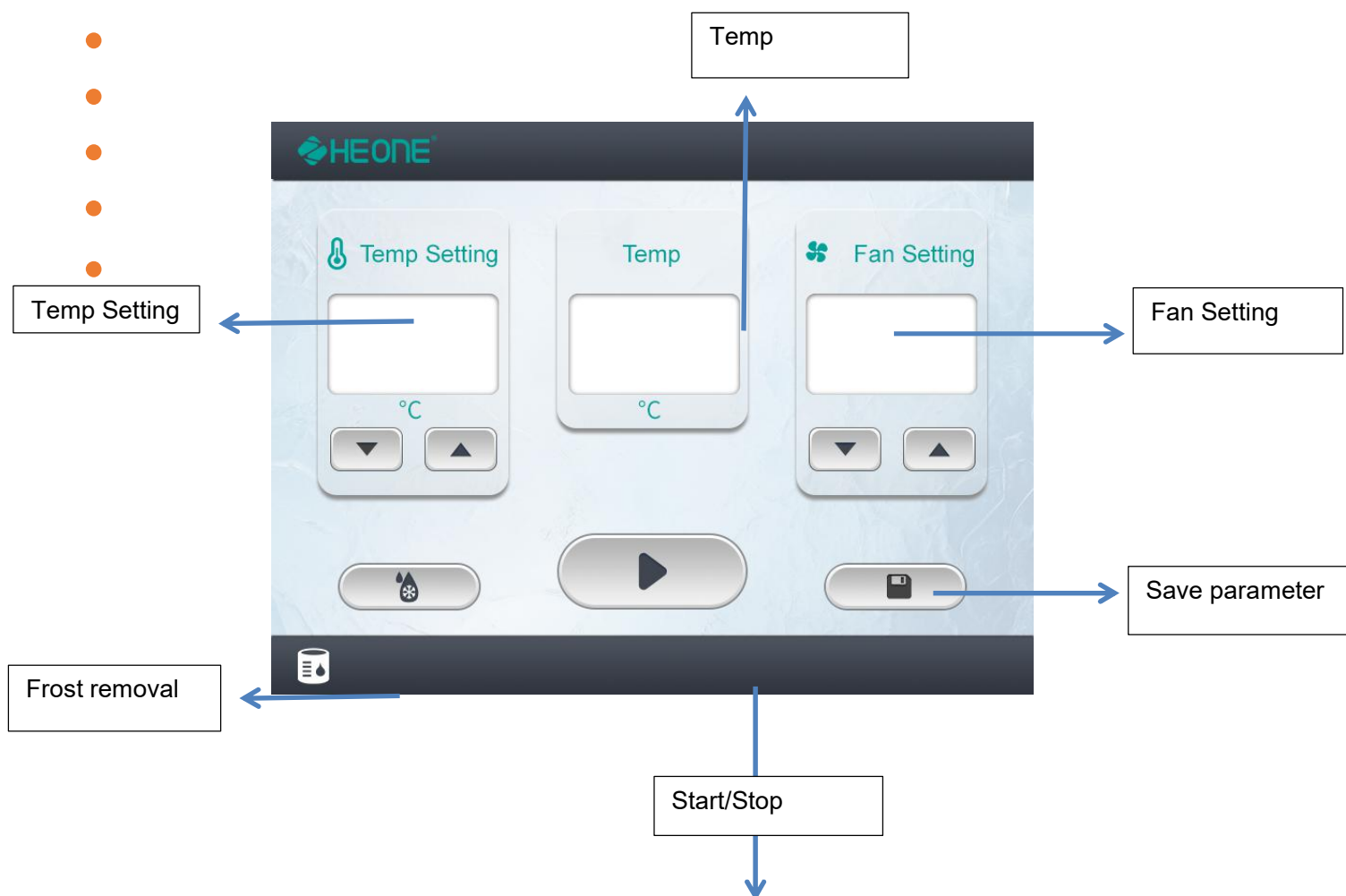
adjustment knob to 0 or 1. The defrost time is about 7 minutes. The device automatically stops the defrost and automatically goes into the cooling state.

#### 4. Release water

When the skin aircooler is turned on or the defrosting is completed, the water level of the water storage box will reach an alarm when the screen

reaches a certain position. Turn off the device, unscrew the rear water outlet of the skin chiller, drain the water in the water storage box, and tighten. The drain is used to prevent air leakage from affecting the cooling effect.

# Operation interface



## Precautions

Do not blow the same part for a long time to avoid frostbite.

The height of the tuyere should be above 8 cm from the skin to prevent frostbite.

Always drain water when transporting and the angle of inclination is no more than 30 degrees.

Do not scrub the panel with alcohol to prevent the writing from falling off.

Do not switch on and off frequently. Do not switch the machine frequently, and do not start the time interval less than 3 minutes..

# Maintenance check

In order to make the skin air cooler run reliably for a long time, prevent it from happening, please conduct daily and regular inspections.

Inspection section	Inspection Method	Inspection Method
<b>Ambient environment</b>	1 ) Check the ambient temperature, humidity, and exhaust ventilation. 2)There should be no dangerous goods placed around	1) Visual and instrumental measurement 2) Visual inspection
<b>Water system</b>	Is the water level normal water flow, whether the water pressure is normal, the joints have leaks, and the water quality changes	Visual inspection
<b>Electrical circuit</b>	1) Is the power supply voltage normal? 2) Whether the terminal screw is loose or loose 3) Whether the insulator of the electrical component is deformed, cracked, damaged or aged due to overheating	1) Measurement with a multimeter 2) Tightening with a tool 3) Visual inspection
<b>Cooling System</b>	1) Whether the condenser surface is clogged 2) Check for refrigerant leakage	1) Based on visual 2) Fluorine road with or without oil traces; 3) Is the water temperature deceleration normal?