



Global Health Evolution Company HK

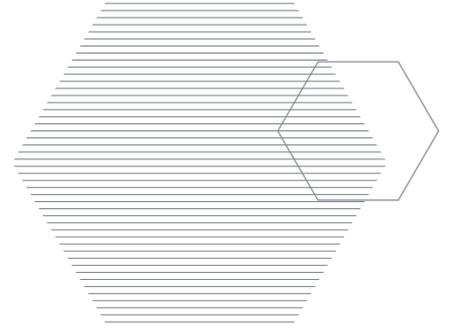
Product name	Combined Stimulating Device for Personal Use
Home appliance manufacturing license no.	579
Home appliance item license no.	Huh 11-337, Model name : HK-2000
Rated voltage	AC 220V
Rated frequency	60Hz
Power consumption	500W
Low frequency waveform mode	Automatic and 6 manual modes
Negative potential output	Effective value of negative potential -400Vp-p ± 10V
Heating method	Non magnetic field heating line
Temperature control method	Thermostat and IC control (Electronic control circuit)
Safety device	1.AC power supply automatic control circuit 2.Excessive increase of temperature prevention circuit 3.Thermostat cutting circuit 4.Short circuit breaking circuit 5.High voltage prevention circuit 6.Negative potential high voltage prevention circuit 7.Over current prevention and blocking circuit
Dimension	Width(1,460mm) x Length(2,000mm) Height(70m)
Weight	About 49kg
Manufacturing country	Made in KOREA
Packing	2 stage exclusive bag packing type, Cover separating type
Manufacturer and seller	HK Co., Ltd.

 **HK Co., Ltd.**

200-20, Yongsu-gil, Chowol-eup, Gwangju-si, Gyeonggi-do (Gadong F1 669-2 Sinwol-ri, Chowol-eup, Gwangju-si, Gyeonggi-do, 464-864, Korea)

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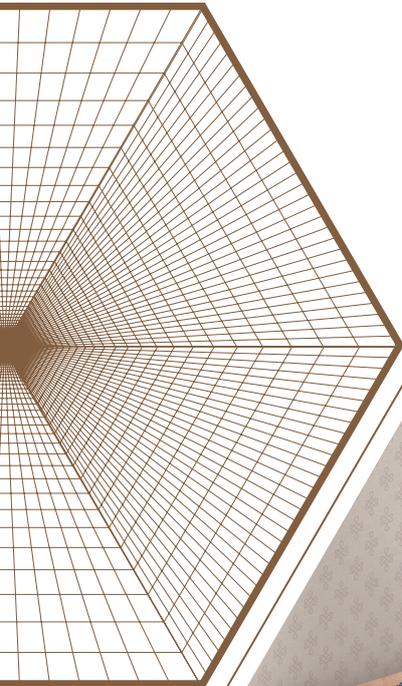
e-mail : varona1577@daum.net / ljsyb10@hanmail.net



HK-2000

Product Description

This product is a home appliance. Please read cautions and instructions carefully before using the product.



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Global Health Evolution Company HK





Greeting

HK was founded in 1993. With mega production and technological capabilities, HK has contributed to the domestic industry of home appliance for home use through domestic OEM, export, and technology support. This enabled HK Co., Ltd to become a center axis of the home appliance market through the superior products it offers.

We were able to enhance longevity through the development of medicine, but finding the causes of diseases and preventing them have always fallen short. The HK R&D team has based their studies on nature and natural healing and treatment methods. Through many years of research and experiments, the team worked on improving the physical constitution of oriental medicine and combined with the most advanced technology of western medicine, they focused on developing technology for advanced home appliances. The HK R&D team also introduced the nano method and applied nano technology in maximizing anions and improving penetration of far infrared rays.

Thank you

HK Co., Ltd. CEO_Lee Jea Bong



History

- 1993. 01 Hankang Medical Devices established
- 1996. 08 Acquired medical device manufacturing business license from the Korea Food & Drug Administration (KFDA)
- 1998. 09 Acquired ISO 9001 from the Korea Productivity Center Quality Assurance
- 1999. 10 Acquired ISO 14001 from the Korea Productivity Center Quality Assurance
- 2001. 03 Joined KITA (Korea International Trade Association)
- 2002. 03 Acquired medical device manufacturing license from KFDA (02-202)
- 2003. 03 Acquired medical device manufacturing license from KFDA (HK-2003)
- 2003. 10 KFIA tested and confirmed anion and far infrared rays of HK
- 2004. 01 Established industry-academic cooperation with Tongwon
- 2004. 05 Completion of the Gyeonggi-do Gwangju Mega Manufacturing Plant and relocation was facilitated
- 2005. 03 Personal Assorted Stimulator Mat Patent acquired
- 2005. 04 Acquired the European Commission Electrical Safety Certification (CE)
- 2005. 05 Received the Environment Friendly Business Achievement Award
- 2005. 05 Small & Medium Business Administration (SMBA) New Tech Venture Company Certification
- 2007. 01 Technology Inno-Biz Certification (SMBA)
- 2008. 01 KFDA GMP Certification
- 2009. 08 Varona trademark registered
- 2009. 09 HK Co., Ltd established
- 2010. 06 Acquired Corporate R&D Center Certification (Korea Industrial Technology Association (KOITA)
- 2010. 08 Acquired ISO 9001 (ICR)
- 2010. 10 President Jong Su Han Gyeonggi-do office received an award certificate
- 2010. 11 Venture Company Certification (Korea Technology Finance Corporation)
- 2011. 11 Received Gyeonggi Small & Medium Business Administration Commissioner Award (Information Technology)
- 2012. 03 Clean Workplace Certification (Korea Occupational Safety and Health Agency)
- 2012. 05 Obtained patent for the manufacturing method of silicon for heating wire
- 2012. 06 Designation as Promising Export Small & Medium Business.
- 2012. 12 Obtained a certificate from the Korea Industrial Technology Association certifying the registration of the Company's research center
- 2013. 03 Selected as a member of the Global Business Network of Korea (for the American market)
- 2013. 04 Chosen as a company under the 2nd Export Competence Enhancement Program
- 2013. 05 Selected as a frontier enterprise in electronic trade (by Gyeonggi Province, Korea)
- 2013. 06 Received the certificate of product-specific approved exporter (from Seoul Customs Office)
- 2013. 06 Participated in the Korea Trade Mission to Egypt and Dubai
- 2013. 08 Had a booth in 2013 SENDEX Expo held in KINTEX
- 2013. 09 Chosen as a participant company by the Global Distribution Network Project, (where upon the Company opened a shop in a large mart in Indonesia)
- 2013. 10 Selected as a Promising SME (small & medium enterprise) by Gyeonggi Province
- 2013. 10 Became a family company under Sungkyunkwan University's university-industry cooperation program.
- 2013. 12 Selected as a globally-active growth ladder company by Korea Trade Insurance Corporation
- 2013. 12 Chosen as an organization by Gwangju City that shares happiness through the promotion of charitable activities
- 2013. 12 Selected as one of the HIT 500 products and opened a shop in Happiness Department Store
- 2014. 01 Chosen as a Promising SME by Gwangju City
- 2014. 03 Participated in the Korea International & Hospital Equipment show (COEX)
- 2014. 04 Participated in the China Sourcing Fair (Hong Kong)

▶ Certificates



Designation of Korea Venture Business Association



Certificate of GMP



Membership of Korea International Trade Association (KITA)



ISO9001 Quality assurance (Korea Certification institute)



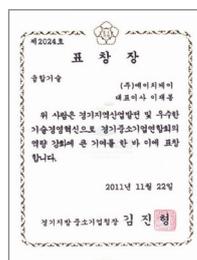
CE Quality system (EMC Test Report CE Conformance)



Certificate of patent



Certificate of patent



Award certificate



Clean Workplace Certification

HK-2000 D/S

Combined Stimulating Device
for Personal Use HK-2000



VARONA

Have you ever heard about ondol?

Which is a kind of floor heating system(Korean traditional culture)

Ondol system, which warms feet first and gradually the whole body, is known as better system for health than other ways of indoor heating. also, this product will allow you to cut heating costs drastically.

Varona Double

- Rating : 220V 500W 60Hz
- Size : 2000mm×1450mm×60mm

Varona that combined PHE ceramic with thermal, low frequency and transposition function turns natural mineral into ultrafine particles using nanotechnology and creates nano ceramic with a temperature higher than 1300℃.

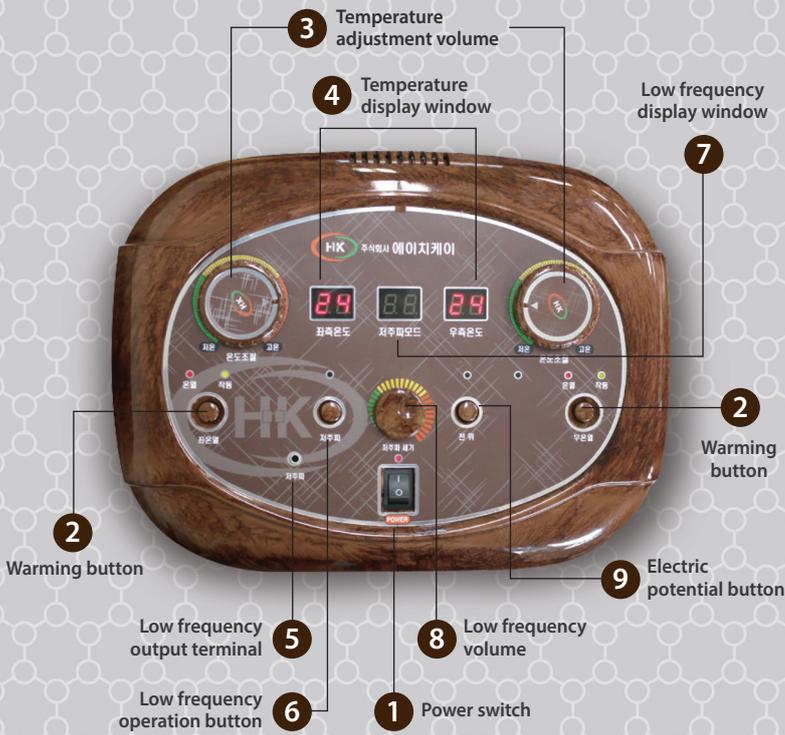
It is designed by combining the powers of the Hiranya and Pyramid shapes to emit superior far-infrared rays. It improves blood circulation

Varona Single

- Rating : 220V 250W 60Hz
- Size : 2000mm×1000mm×60mm



Individual components controller HK-2000



- 1 Power switch**
Turn on or turn off the power of the device. When power is turned on, the light is lit.
- 2 Warming button**
Operation button of the warming part in the left and right side (Automatic turning off after 8 hours)
- 3 Temperature adjustment volume**
Set warming temperature by turning it left or right (25~70℃, Setting by 1℃)
- 4 Temperature display window**
Display the setting temperature and current temperature for each of the right and left side
- 5 Low frequency output terminal**
Low frequency output line connection part
- 6 Low frequency operation button**
Low frequency operation ON/OFF button / When the device operates at low frequency, the light is lit (Automatic turning off after 30 minutes)
- 7 Low frequency display window**
Display low frequency setting mode
- 8 Low frequency volume**
Adjust the strength of low frequency / When low frequency is discharged, lamp is turned on to indicate low frequency discharge *Operate at a fixed minimum unit volume of low frequency for your safety.
- 9 Electric potential button**
Electric potential operation ON/OFF, When Electric potential is operated, the light is lit (Automatic turning off after 60 minutes)

How to install

- 1** Please read user manual carefully before using the device.
- 2** Evenly spread out Varona outer cover.
- 3** Roll top board of the outer cover with bottom cloth evenly spreaded out.
- 4** Put Varona inner contents onto the evenly spreaded bottom cloth.
- 5** Spread out rolled Varona top board onto the inner content with Varona inner content put onto bottom cloth.
- 6** Close the zip between the Varona top board and bottom cloth.
- 7** Connect controller to connector.
- 8** After checking rated power supply AC220V, insert the power cord into the socket.

※ Please keep the bag well to use it usefully for sending for A/S.
 ※ When the zipper does not work well at the time of installation in the winter due to contraction of leather, leave the product inside the room for 1~2 days with temperature increased in order to solve the problem.

Low frequency pad



HK-2000

◀ Storing after use, failure diagnosis and trouble shooting

Storing after use and management method

1. After use, take out low frequency jack of the controller and plug from the socket and pack mattress separately.
2. Put a cover over the body of the device after use to prevent it from being damaged.
3. Be sure to move the product, putting it into the packing box (bag).
4. Store the product in the dry place with no moisture.

Cautions at the time of product failure and prohibition of modification

1. Shut off the power.
2. When the product breaks down, do not disassemble it for repair arbitrarily, but contact the store or A/S department of manufacturer immediately.
3. Never modify home appliance.
4. When the power cord is damaged, get the store or qualified engineer to replace it with new cord to prevent any danger.

Storage condition or method

1. Store the product in the place with no moisture.
2. Store the product under good ventilation.
3. Do not put the product onto metal part.



Phenomenon

When the temperature of device body does not go up rapidly

[Cause]

- When the device is used at the first time
- When the device is used after a long time storage
- When the connector is not connected well
- When timer switch function is ended

[Trouble shooting]

- When you put temperature adjustment volume to "Strong" and use the device for 1~2 days, temperature increases by self temperature sensing.
- Take out the connector and make connection again.
- Check whether or not the warming light is lit.

Phenomenon

When warming does not work during operation

[Cause]

- When the controller becomes faulty or gets impact
- When the controller connector is not connected well with body connector
- When device body becomes faulty

[Trouble shooting]

- Turn off the power switch and turn it on again.
- Check whether the controller connector is connected well with the groove of the device body connector.
- Contact consumer consulting center of Head Office, the store or A/S center immediately.

Phenomenon

When "Er" is displayed in temperature controller

[Cause]

- When sensor or connector line is cut

[Trouble shooting]

- Contact A/S center.

Specialized company for manufacture of medical devices

It is the best nano ceramic created from the principle of pyramidal space energy and energy produced from the cross section triangle of pyramids using the hexagonal energy of Hiranya and the most advanced technology of HK.



HK-2000

▶ How to use

1. Press power switch to check whether or not power is supplied to controller.



2. To use warming function, press warming button, turn right or left temperature control volumes in right and left side and set warming temperature (25℃~70℃). (When warming function starts operating, setting temperature is first displayed on the temperature display windows in the right and left side, and then, current temperature is displayed after a few times of blinking. The setting temperature is automatically turned off after 8 hours)



3. Press Electric potential button to use Electric potential function (When Electric potential works, Electric potential lamp is lit)

- When Electric potential lamp is lit, warming and low frequency do not work, blocked by interlocking.
- There is no selections in the strength and mode for Electric potential. It is automatically turned off after 69 minutes of operation.



4. When using low frequency, check whether the low frequency volume is at the minimum.

- Connect low frequency output cord to low frequency output terminal of controller and attach low frequency pad to the desired area.
- Turn low frequency volume clockwise slowly from 0 to start low frequency output, and then set the strength. At this time, the setting mode, AU, 1~6, is displayed on low frequency mode display window (When low frequency is in operation, yellow low frequency lamp is lit to indicate that low frequency is discharged)
- The function is automatically turned off after 30 minutes of operation by the built-in timer.
- If you press low frequency button once, the mode is AUTO, and you can change the mode manually from 1 to 6 by pressing the low frequency button. Each time you press the button, the mode changes in sequence.



▶ Cautions for users

⊘ Prohibitions

1. Do not modify the device arbitrarily.
2. Do not use the device for purposes other than instructed applications.
3. As it may be dangerous to use the device together with other devices, do not use the device in combination with other devices.
4. Where there occurs some problem in the body, stop using the device immediately and consult with a doctor.
5. Do not pick the device with sharp things.
6. Where foreign substances are put on the device, do not wipe them out with water or liquid, but wipe them out with dry cloth.
7. Do not throw, drop or give strong impact to the controller.
8. Where an adhesive such as polyacrylic acid gel is used on the Thermal treatment ceramics attachment area, some symptoms such as rash, flare, itch, etc, may occur by the use of this device. In this case, stop using the device and consult with a doctor.

⚠ Note

1. When the device is found faulty, stop using the device immediately and contact the store or A/S center of Head Office.
2. When power is cut, turn off the power switch immediately and return the control dial, switch, etc, to original position.
3. Make at least 30 cm of distance between the device and controller to prevent the effect of potential.
4. Use the device only for the hours instructed (Hours of use per day : 1~8 hours, When used at high temperature : 60 minutes or less)
5. Use the device under doctor's prescription and instruction.



Instructions

1. Those who fall under the following categories must use the device under doctor's prescription and instruction.

Those who have acute diseases

Hypertension patient

Those who have malignant tumor

Those who have perception disorder

Pregnant women and infants

Those who use electronic home appliance such as heartbeat aids, heart-lung machine, ECG machine, etc.

Those who have cardiac lesion (In particular, those who are installed with pacemaker)

Skin disease patients

- a. The symptom that the skin goes red and excruciating due to excessive tanning
- b. Inflammation area with festered pimples
- c. Those who have sensitive skin with allergic predisposition
- d. Dermatitis area due to cosmetics
- e. Freckle together with itch and freckle area due to physical stimulus
- f. External injury area, bleeding area, bone fracture area, malignant tumor, eyelid, skull area, mouth and genital area, infectious disease patients

Global Health Evolution
Company HK



The fruit of HK Technology

Nano ceramic is created by turning natural mineral substances into ultrafine particles and heating them at a temperature higher than 1300°C. It is designed to emit superior far infrared rays by combining the advantages of Hiranya and pyramid shapes.

TECHNOLOGY

► Kiyoseki stone

1. What is Kiyoseki stone?

Kiyoseki stones are found in mines and formed by high-temperature hydrothermal alteration such as the diastrophism 65 million years ago. It is a special mineral packed with the energy of nature

2. Effects of Kiyoseki stone

- Kiyoseki stone is used in water
- Removes harmful waves if placed next to electronic devices.
- Removes bad odors and maintains freshness if placed in a refrigerator.
- Used as a deodorizing agent when placed in the closet to keep your clothes fresh-smelling.

► Biotite

1. What is biotite?

It is a mineral with a monoclinic crystal system (one of the crystal systems, crystal with three pairs of vectors of unequal length where two pairs of vectors are perpendicular, while the third pair makes an angle other than 90°) and forms tubular or squamiform displaying a hexagonal or rhombohedron shape. It appears black, brown, or greenish black and its splitface has a pearly or sometimes metallic luster.

2. Effects of Biotite

Biotite was ranked as the best among 10,000 medicinal ingredients in the medicine scriptures (Hyangyakjipseongbang) written during the King Sejong Era. Biotite rough stones contain germanium which was believed to be a mystical mineral and was accessible only to the royal families or noblemen.

► Tormail

1. What is tourmaline?

The name, tourmaline comes from the Singhalese word "tormali" which means 'mixed gemstone'.

As befitting the meaning of the name, it comes in a wide variety of colors.

Tourmaline is native to Brazil and it is known as a birthstone for October as with opal in America.

2. Functions of tourmaline

- It enlarges capillary vessels to stimulate blood circulation, metabolism, bowel movements, and is effective in thermotherapy, fatigue recovery, neuralgia, freckles, and leucorrhea.
- It removes the chlorine smell in tap water and makes water rich in minerals.
- It stimulates body metabolism.



Kiyoseki



Biotite



Tormail



Cheonkw



stone



angasuk



VISION

Mission Statement

HK will satisfy customers and contribute to the society by creating new core values.

Respect for human

Harmony and solidarity

Future-oriented

Environmental Management

The green future nurtured with our environment

HK has been continuously practicing environmental management under the philosophy that 'what is beneficial to the nature is also beneficial to human'.

Place the basic direction of environmental management on achieving sustainable management trusted by our customers, HK has been actively performing a variety of environmental preservation activities ranging from development of eco-friendly products using natural and recycled materials to preventing pollution and saving energy and resources. HK will continue to exert greater efforts for our sustainable future based on harmonious development between environment and human.



The Three Innovations and Vision

HK strives to become a 'global creator' that provides the best values to all customers.

Competitive Advantage

To raise up competitive power of our customers.

To have a basic spirit for setting up implementation of 'sustainable development' to pursue environmental conservation and economic growth at the same time.



Customer Satisfaction

To honor our promise with our customers.

To solidify management transparency and reliability of our power generation business by establishing an open-minded management system and disclosing information.

Technology-oriented

To achieve a corporation that leads in technological development.

To make efforts endlessly for advanced technology based on human beings.

