



SUmedical

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WHAT IS THE CRYOTHERAPY

Low temperature therapy, which has been used as a recovery treatment since the 17th century.

1978 introduced by Dr. Yamaguchi

The IRIS Whole Body Cryotherapy Chamber System reduces and maintains internal temperature quickly to suit user settings.

Exposure of the entire body to temperatures below -110°C for 1.5 to 3 minutes induces Thermo-regulation of the human body.

Activating brown fat cells

Related technologies and devices have been developed to research and use in the medical field of sports/rehabilitation medicine, pain medicine, plastic surgery, dermatology, psychiatry, etc. The market in the beauty field has also grown rapidly.



What are the Benefits of Cryotherapy

*Increase autoimmune capabilities at very low temperatures
Cryotherapy reduces swelling and inflammation through body reactions at low temperatures*

Exposed skin temperature at extremely low temperatures of 110°C or below for short periods of time (2.5-3 minutes)

Strong signal generation about the risk of hypothermia

Vascular contraction / To maintain the internal temperature of the human body, most blood flows are concentrated into the internal cycle

The intensive supply of oxygen and nutrients to internal organs resulted in recovery of degraded or damaged organs, removal of toxic substances, and activation of cell regeneration

The same effect occurs at the skin and at the end of the body due to flowback blood from the internal cycle after the session. Heat reaction and metabolism are active (continued about 2 to 3 days)



Use nitrogen gas that is not harmful to the human body

Main constituent of air
- Air: 78% N₂, 21% O₂, other substances
- Be harmless to the human body
- No Asphyxiation Risk
- A low price

Can be reached below -110°C
- Saturation temperature of nitrogen: -195°C (at 1 atm)

Very short start-up time / no stand-by

Short treatment time (2.5 to 3 minutes)
Prevent by proper installation and guide lines

Comparison with IRIS Whole Body Cryotherapy Chamber System

Less installation restrictions
- The slimmest size of any Cryosuna device: 1,100mm
- Lowest height of any Cryosuna device: 2,100mm
- Direct manufacturing and direct a/s

Future-oriented design

Guarantee

- Co-development with IEUL Medical Group (Plastic Surgery Clinic, Ophthalmology Clinic, Animal Hospital, Dental Clinic)

Low operation times eliminate latency.

Use less gas than other equipment

Short treatment time

- Session takes less than 3 minutes, but depending on the circumstances, it can be stopped at any time, and in case of an emergency, it can be opened briefly.

** 1 Session unit consumption 1.5 litres/min /
Height 2,100mm / Width 1,100mm / Length 1700mm / Weight 300kg

Opened Cryo If the upper body is exposed to the outside in the cabin, there is no risk of suffocation caused by nitrogen gas.

* Open Cryo Cooled by Direct Liquid Nitrogen Injection Cabin
EIGA (European Industrial Gases Association) Reports,
Safety Information 19 / 08 / E

