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ANTARCTICA ELECTRIC CRYOTHERAPY CHAMBER

USER MANUAL



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This manual contains instructions for the cryochamber device "Antarctica" (hereinafter referred to as “the device”), it contains the technical data, operation and a guide for safe operation. To ensure the safety of the user during the installation and operation of the device, the user must comply with fire safety and electrical safety regulations.

CAUTION!!! Reading this manual is an essential part of working with the device. Before you start installing and operating the device, read this manual carefully and familiarize yourself with the instructions. This manual contains all essential information about the proper and safe operation and maintenance of the device. The warnings contained in this manual are intended to ensure safe operation of the equipment and compliance with the installation and operating instructions specified by the manufacturer. They are also intended to inform the consumer of possible hazards and malfunctions that may occur during or as a result of incorrect operation. This manual contains introductory information about the device as well as detailed operating and maintenance instructions for long-term, safeand accident-free operation.

If the device is resold or in other cases where the owner is changed, it must be ensured that this manual is transferred with it. The manufacturer recommends contacting the authorized technical departments for all installation, assembly and maintenance work. Contact the manufacturer or distributor so that an authorized representative can supervise the disassembly of the unit, its transfer and installation at a new location, and perform the initial start-up at the new location. If the device is to be disposed of, potentially hazardous components of the device must be disposed of in accordance with the legal requirements of the state in which the device is located.

CAUTION! VIOLATION OF SAFETY RULES DURING OPERATION OF THE EQUIPMENT CAN LEAD TO DAMAGE TO THE EQUIPMENT AND INJURY TO THE USER. By purchasing the equipment from the manufacturer or a distributor, the customer (owner of the equipment) agrees to the following rules and obligations: By entering into the contract for the purchase of the equipment, the owner of the equipment acknowledges that he/she assumes full responsibility for any injuries and losses (economic and non-economic) that may be incurred by the owner of the equipment as a result of improper installation, operation or misuse of the equipment. Operation of the device by third parties MUST is carried out with the consent and at SUPERVISION of the owner of the device. The owner of the device bears the responsibility for improper operation of the device by third parties. Prior to the operation of the device by third parties, the owner OBLIGED is obliged to provide instruction in the safe operation and safety rules for the operation of the device
Equipment.

The owner of the device MUST must comply with all regulations established by the manufacturer regarding the use, maintenance and storage of the device. He/she must also understand the purpose and design features of the equipment and agree to comply with the requirements for safe operation of the equipment. The owner of the equipment understands that the use of the equipment for exercise and fitness purposes involves a degree of risk and the possibility of injury. THE MANUFACTURER advises that commercial activities using the equipment may require business liability insurance or special licensing, depending on local rules and regulations.

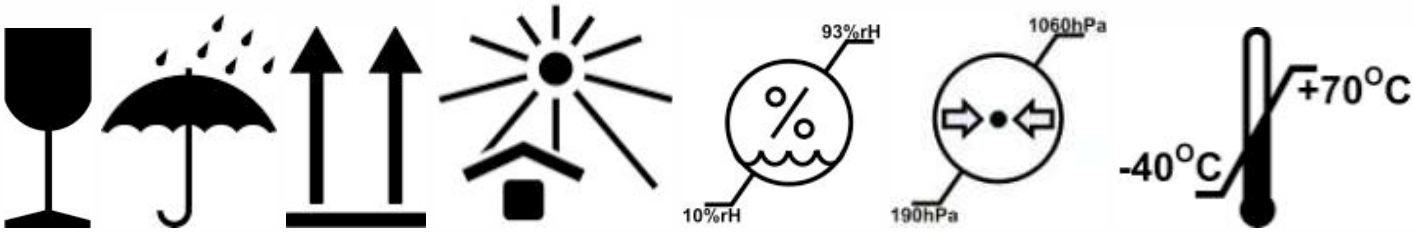
Child Safety Warning:

This device is not intended for use by children. Do not allow children to play in or near the unit under any circumstances. Do not allow children or persons with limited abilities near the device without supervision. Do not allow children to access or use the device.
The device has not been tested for operation by persons with disabilities and/or limited abilities. The manufacturer is not responsible for the operation of the device by such users. The owner bears full responsibility for the operation of the device by persons with limited abilities.

THE OWNER OF THE EQUIPMENT AND THEIR WORKERS MUST FAMILIARIZE THEMSELVES WITH THE USER MANUAL AND UNDERGO CERTIFICATION AND INSTRUCTION, BE FAMILIAR WITH THE SAFETY RULES AND CORRECT OPERATION THE UNDERSTAND CRYOTHERAPY EQUIPMENT, FULLY UNDERSTAND AND AGREE WITH ITS INFORMATION, AS WELL AS THE DANGERS AND RISKS THAT MAY BE FACED DURING ITS OPERATION. THE MANUFACTURER IS NOT RESPONSIBLE FOR THE INCORRECT USE OF THE EQUIPMENT. ALL WORKERS OPERATING THE EQUIPMENT MUST BE CERTIFIED BY THE MANUFACTURER AND HAVE A VALID CERTIFICATE THAT IS ISSUED FOR ONE YEAR AND MUST BE RENEWED TO ANNUAL TRAINING.

SYMBOLS AND LEGENDS USED IN THE USER MANUAL

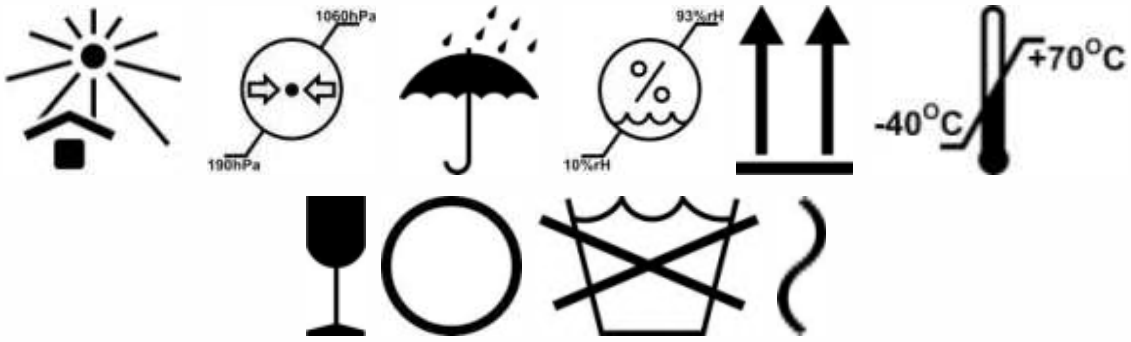
Please read the manual before use! The manual contains guidelines for the safe use of the equipment to avoid accidents and potential hazards for users



Notes: Fragile equipment with a lot of moving parts in the package, handle carefully, store in a dry condition, (look at the top pointer), protect from sunlight, limit humidity during transportation, limit atmospheric pressure during transportation, limit temperature during transportation and operation.

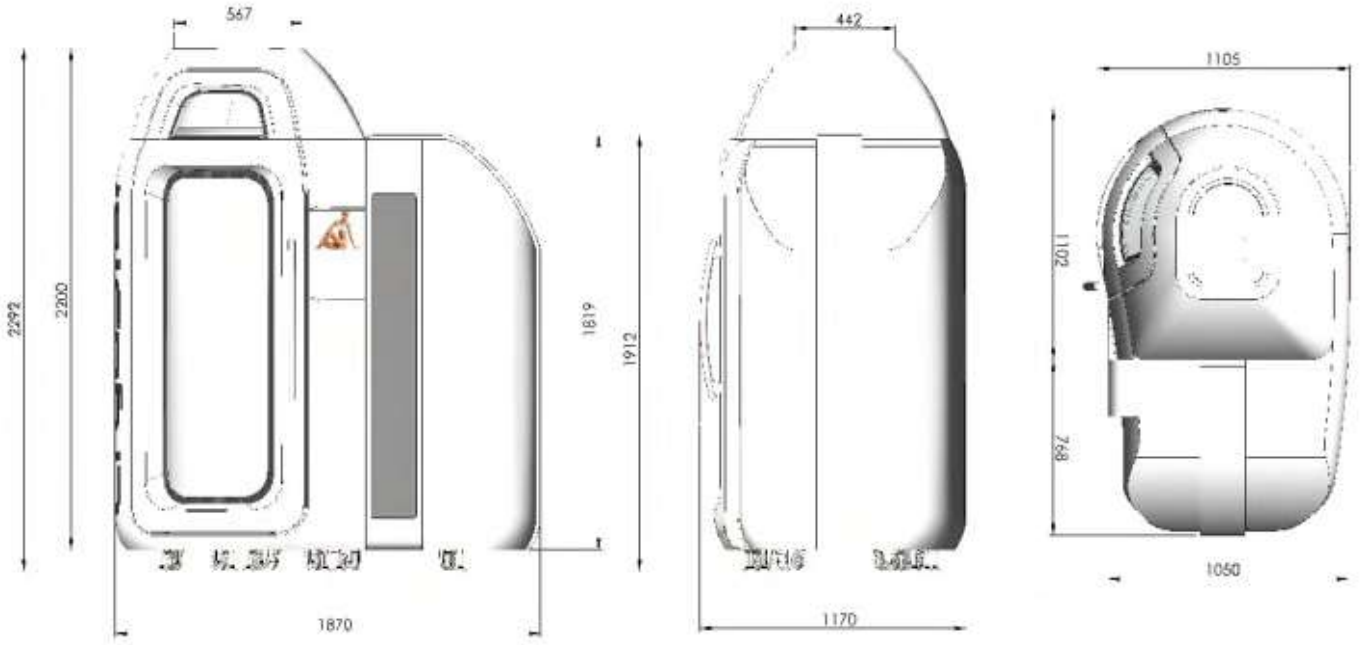


Device notes: AC (power), "ON" (power on), "OFF" (power off), do not wash or clean with water.



TECHNICAL SPECIFICATIONS

Dimensions of the "Antarctica Cryosauna" (dimensions are given in millimeters):	
HEIGHT	2292 mm
DEPTH	1870 mm (Grand version + 350 mm)
WIDTH	1170 mm
TOTAL WEIGHT	390 kg
TOTAL WEIGHT WITH PACKAGING	600 kg, 500 kg without packaging (Grand version + 80 kg)



ELECTRICAL PARAMETERS	
VOLTAGE AND POWER CONSUMPTION	Simple version: Variations for different markets: America and Japan – 110V 70A single-phase or 220V 50A three-phase; Europe and Australia, other countries – 220V 35A single-phase, 380V 35A three-phase. Grand version: America and Japan 220V three-phase 90A, Europe and other countries 380V 60A three-phase. Equipment is made to order with different versions that may differ in voltage and power consumption, so please contact the manufacturer for each machine's technical specifications.
AVERAGE POWER CONSUMPTION	From 4.5 kWh, depending on the version. Please contact the manufacturer for the technical specifications of each device.
ELECTRICAL CONNECTION	The equipment requires a special electrical connection involving a box with connectors and installation of special electrical cables. If further information is required, please contact our technical department. The manufacturer is not responsible for the user's inability to operate the equipment or for the buyer's premises not meeting the installation and operation requirements of the equipment.

COOLING VERSIONS AND SPECIAL INSTALLATION	"Antarctica" has several varieties including air, water cooling, and an independent chiller. The version with air cooling requires a space of at least 15-20 m2 and ceiling heights of 3 meters or higher, as well as a constant supply of cold air, an operating air conditioner in the room with room temperature not exceeding 20°C (68°F), installation of an individual hot air extraction, and room humidity of less than 20%. The version with water cooling requires a connection to running water and sewage. Water consumption depends on the version, so please check with the manufacturer. The version with an external chiller requires the placement of a separate unit on the building wall or balcony, connection with pipes, water, and connection to the sewage system
VENTILATION REQUIREMENTS	All versions require adequate ventilation, with a separate ventilation line of 100mm (4 inches) and powerful exhaust motor. A separate ventilation line from the machine is required to remove residual cold air. As such, the Equipment requires the temperature of the room to not exceed 20°C (68°F) and humidity levels to be below 20%, as well as a constant supply of fresh cold air.
FLOORING REQUIREMENTS	The Cryosauna operates at low temperatures, so snow and frost may appear on some parts of the equipment, especially in high humidity. The floor should be leveled and covered with rubber or other waterproof material. Condensation, droplets, and wet areas may appear on and under the equipment. It is also necessary to monitor drain tanks and overflow valves (depending on the version).
BUYER'S RESPONSIBILITY FOR INSTALLATION	All preliminary and additional installations, such as water and sewage connections, electrical lines, chiller placement, and ventilation lines, must be done in advance by the buyer. The manufacturer is not responsible for the inability to install or properly operate the equipment if the buyer does not follow the installation requirements.

ADDITIONAL TECHNICAL QUESTIONS	Before purchasing and installing any version of the equipment, please contact the technical department via email sales.medstarcom@gmail.com or through the website www.vacuactivus.com for more detailed information on the technical specifications of the equipment and installation requirements

Technical specification	Antarctica Electric Simple 	Antarctica Electric Grand 	Antarctica WBC Electric Simple 	Antarctica WBC Electric Grand 
External dimensions LxWxH	1870x1105x2292mm 73x43x90 inch	1870x1105x2292mm 73x43x90 inch	1870x1170x2292mm 73x46x90 inch	1870x1170x2292mm 73x46x90 inch
Gross weight	550kg/1212LB	550kg/1212LB	600kg/1312LB	600kg/1312LB
Internal capsule dimensions LxWxH	800x800mm 31.5x31.5 inch	800x800mm 31.5x31.5 inch	800x800mm 31.5x31.5 inch	800x800mm 31.5x31.5 inch
Chamber type	Open head	Open head	Whole Body	Whole Body
Person inside chamber at same time	1	1	1	1
Exit Temperature to fans	-35C/31F to -45C/-49F	-65C/85F to -80C/-112F	-35C/31F to -45C/-49F	-65C/85F to -80C/-112F
Received feeling Temperature (Turbo Boosted by fans)	-73/-80C to -100/-112F	-100C/-148F To -110/-166F	-73/-80C to -100/-112F	-100C/-148F To -110/-166F
Type of compressor	Single compressor	Dual level compressor	Single compressor	Dual level compressor
Power supply in 220V standard network	220V/50Hz one phase 7kW 30A max/16A normal operation Outstanding fuse on line at least 32A	380V/50Hz 3 phases 21kW 35A max/30A normal operation Outstanding fuse on line at least 50A	220V/50Hz one phase 7kW 30A max/16A normal operation Outstanding fuse on line at least 32A	380V/50Hz 3 phases 21kW 35A max/30A normal operation Outstanding fuse on line at least 50A
Power supply in 110V standard network	110V/60Hz one phase 7kW 60A max/32A normal operation Outstanding fuse on line at least 60A	220V/60Hz 3 phases 40kW 70A max/60A normal operation Outstanding fuse on line at least 80A	110V/60Hz one phase 7kW 60A max/32A normal operation Outstanding fuse on line at least 60A	220V/60Hz 3 phases 40kW 70A max/60A normal operation Outstanding fuse on line at least 80A
Required wire connection	Box connection, wire type at least 3x4mm, ground line requested	Box connection, wire type at least 4x6mm, ground line required	Box connection, wire type at least 3x4mm, ground line requested	Box connection, wire type at least 4x6mm, ground line required

Technical specification	Antarctica Electric Simple	Antarctica Electric Grand	Antarctica WBC Electric Simple	Antarctica WBC Electric Grand
				
Required average temperature inside room	Max 20C/68F AC cooled	Max 20C/68F AC cooled	Max 20C/68F AC cooled	Max 20C/68F AC cooled
Required average humidity inside room	Max 30%	Max 30%	Max 30%	Max 30%
Waste heat	6.5kW	8kW	6.5kW	8kW
Refrigerant (freon)	R507	R507 (optionally on second level R23)	R507	R507 (optionally on second level R23)
Average precooling time	45min	30min	45min	30min
Average session time before defrost	Up to 4 hours	Up to 8 hours	Up to 4 hours	Up to 8 hours
Average time of defrost/drying	15min	30min	15min	30min
Operation during freezing session	Unlimited	Unlimited	Unlimited	Unlimited
Display showing temperature inside	No (optionally)	7"	No (optionally)	7"
Lights projection inside + relax sound	No (optionally)	Yes	No (optionally)	Yes
Control console	10.1" touch screen	10.1" touch screen	10.1" touch screen	10.1" touch screen
Software update connector	USB micro/USBASP-ISP AVR V2	USB micro/ USBASP-ISP AVR V2	USB micro/USBASP-ISP AVR V2	USB micro/USBASP-ISP AVR V2
Cooling condensator system	Air/or Water/or Chiller depends on chosen option	Air/or Water/or Chiller depends on chosen option	Air/or Water/or Chiller depends on chosen option	Air/or Water/or Chiller depends on chosen option

Technical specification
Air cooling



Air cooling aggregate	Incorporated in body
Size of vent exit/entrance holes	100mm/350mm 4"/14"
Required min room size to use air cooling option	Up 15m2/ Up 150sf
Extra installation requirements	Active vent system required, open window option, large open door option, fresh air constant income blowing required
Average noise level	Approximately 60-65dB
Extra fans for vent line	In/Out 2 fans at least 129W
Average air income/exit required	5000m2 in/out
Average heating increase in room	Up to +10C/50F than norma/AC system required in room keeping 20C/68F temperature.

Technical specification
Water cooling



Water cooling aggregate	Incorporated in body
Plumbing	Water and drainage Required in room
Water connector	1"
Drain connector	1"
Income water temperature	Less than 16C/61F
Water waste	Max 1.5m3/hour Optimal 0.5m3/hour
Outgoing water drain temperature	26C/79F and up

Technical specification

Water chiller



Water chiller	Outstanding box
Required outside temperature where chiller based	Up +35C/95F
Entering air temperature	Up to +45C/113F
Supply water temperature	+7C/44F
Return water temperature	+12C/54F
Tank size	50L propilene-glicol
3 ways solenoid flow	Incorporated
kW cooling	10kW
Dimensions	1410/615/820mm 55x24x32" (may change due option)
Estimated weight	160kg/350LB
Installation	Require special installation and pipe connection
Power supply	220V/50Hz or 110V/60Hz

PURPOSE AND OVERVIEW OF THE CHARACTERISTICS OF THE DEVICE AND EQUIPMENT

The Cryosauna is designed for sports rehabilitation procedures and cosmetic treatments through short-term exposure to extremely low temperatures



EQUIPMENT INSTALLATION, PREPARATION FOR NITIAL START-UP. FIRST START-UP

ATTENTION: Please read the user manual and warnings before assembling and using the Equipment. Follow all the warnings and precautions mentioned in this manual. Adhere to all approved and established safety measures when operating electrical and mechanical equipment.



WARNING: Contains Electrical Equipment. The Equipment must be connected to a grounded outlet. The label provides exact information about the required voltage.

WARNING: RISK OF ELECTRIC SHOCK! Do not install the Equipment in a room with high humidity. Do not touch wires or connectors with wet hands! The Equipment must be grounded.

2.1 EQUIPMENT INSTALLATION AND ASSEMBLY INSTRUCTIONS

After removing the device from the packaging, carefully bring the Equipment to the desired place of installation (the MANUFACTURER recommends removing the packaging where the Equipment will be installed). Overturning the Equipment is NOT RECOMMENDED! Installation is recommended to be completed only by technical personnel licensed by the Manufacturer.

The room where the Equipment will operate should be well-ventilated and have special ventilation ducts and a working air conditioner.

Carefully inspect the Equipment. The Equipment should not contain chips, scratches, or significant mechanical damage. Inspect the condition of the electrical components. The wires should not have any damage.



After installing the main capsule, dock it to the machine block. To do this, use the corresponding mounts on the frame. After docking the frames, tighten them with bolts. If the capsule and machine block are not aligned, difficulties may arise during the docking process due to a mismatch of fastener holes.

After docking the frames, dock the capsule and the primary heat exchanger. Next, seal the joint between the plastic of the capsule and the metal of the primary heat exchanger. Inside the ribs of the capsule's plastic, there three holes per rib. On the metal of the primary heat exchanger, corresponding fasteners are located. After docking the machine compartment with the capsule, these holes should align. Next, fasten the capsule and the primary heat exchanger using bolts, which are included in the set.

On the primary heat exchanger, between the fans, there are four Airflow divider plates protruding into the capsule. They have two purposes:

To prevent the mixing of the streams of heated air sucked from the capsule and the cold air blown by the fans into the capsule.

A mounting function for attaching a protective frame to ensure user protection from the rotating fan blades. The delivery set includes three parts: a Decorative protective frame and two Mounting brackets (a Left and a Right bracket.) The large

shelf with rounded edges is the mounting surface for the Decorative protective frame).

The two brackets for the protective frame should be attached to the side shelf of the Airflow divider plates, with the brackets' bends going in opposite directions to the fans to prevent obstruction with the air circulation going through the primary heat exchanger. After securing the brackets with bolts, attach the decorative protective frame. Next, bold the frame to the shelves, with the polished part facing the capsule and the protective grid facing the fans.

Upon completing the docking of the Capsule and the machine unit, connect the monitor control cable to the Power Block (a gray plastic box measuring 400x300 mm).

At the bottom of the Capsule is a fitting with a transparent PVC hose attached to it. This drainage tube drains condensate from the bottom of the Capsule to prevent condensation accumulation. The free end of the drainage tube needs to be connected to the Drainage Tank, which is a stainless-steel vessel attached to the lowest point of the Power Block frame, on the side where the door to the capsule is located. The Drainage Tank has a fitting on which the condensate drainage tube from the capsule should be attached and secured with a clamp.

The next step is to attach the plastic to the frame. Two plastic parts cover the machine unit – the Left Side Panel and the Right Side Panel (when viewed from the machine unit towards the Capsule). The two panels differ in that the Left Side Panel has a cutout for advertising. Both side panels are equipped with internal inserts and guides on their lower portion, which is intended to position them relative to the frame and fixation. After installing them on the guides, secure the side panels together and to the Capsule plastic using bolts, as shown in the diagrams below, from left to right:



Attach the Left Side Panel to the Capsule through the cutout for advertising.

Attach the Right Side Panel to the Capsule from the outside.

Connect the side panels using bolts.

The Equipment must be securely installed on a flat, level, and solid surface. It is recommended that the Equipment be level.

WARNING:

DO NOT INSTALL THE EQUIPMENT IN DIRECT SUNLIGHT OR THE VICINITY OF HEAT-EMITTING DEVICES (RADIATORS, AIR CONDITIONERS, ETC.).

The room where the Equipment will be installed should be well-ventilated.

Please check that the internal cables and connectors are connected to their respective ports (paying attention to the shape and labeling of the cables). Do not use extension cords, adapters, or outlets with multiple sockets for the connection.

During operation, the Equipment and other electrical devices can interfere with each other. This is an important consideration when choosing the installation location for the Equipment. Usage of the Equipment in a room with many electrical devices is NOT recommended.

Due to network parameter requirements, only use the cables provided in the package. Connect them to reliable network connectors with the secure attachment of the power cord, designed for the required power specifications. Contact the manufacturer if additional guidance is needed for equipment connection.

There are varieties of the Equipment with an external Chiller cooling unit, where the refrigerant circuit is cooled by circulating water. Contact the manufacturer for consultation on additional equipment options and their connections.

2.2 PREPARATION FOR INITIAL START-UP / FIRST START-UP

1 Connect the Equipment to the electrical network.
2 Press the button located next to the screen.
3 Wait for the timer to count down the PRECOOLING period.
4 The Equipment is ready for operation.

2.3 EQUIPMENT OPERATION

Start screen



Session launch screen



After turning on the equipment, the PRECOOLING process begins, which is designed to bring the system to operational parameters. Once the process is complete, the system is fully ready for operation. The PRECOOLING process typically takes around 60 minutes, but it may take longer depending on the room temperature and other technical conditions



System Information Window: This window displays essential information about the system, including the current temperature inside the capsule, the set temperature, and buttons for navigating Back and Next



System Notifications: If the system detects any issues, a window will appear highlighting the problems in red. If this window appears, contact the manufacturer and consult with a technician. After that, press the “Clear Alarm” button and restart the device



After beginning a session, a screen will display the progress of the session, showing information about the temperature inside the chamber, a button to activate “TURBO” mode, the session duration, and a “STOP” button to end the session. By pressing the “TURBO” button, the system operates at its maximum fan speed. (The temperature that the system can achieve greatly depends on the conditions inside the room where the equipment is installed, including air temperature, humidity, ventilation, presence of heat sources, etc.)



During active use of the equipment, moisture from fresh air and individuals entering the capsule will accumulate as ice on the main heat exchanger fins. A significant amount of ice on the fins of the main heat exchanger impairs its performance. After several sessions or through automatic operation, a defrosting system may be activated to thaw the main heat exchanger.

After the defrosting procedure, moisture and ice will be released as a liquid into the chamber floor and the bottom of the air duct, which encloses the main heat exchanger and will then be drained into the Drainage Tank. The Drainage Tank is equipped with a level sensor. When the level reaches 60%, a pump is activated to pump the liquid out through the drainage tube. The pump and tube are located at the rear of the machine compartment, below the frame. Note that it is recommended that an empty container be placed at the end of the tube to prevent condensate spillage on the floor.

If necessary, the system can be emergency stopped by pressing the corresponding button located below the monitor.



3. EQUIPMENT MAINTENANCE

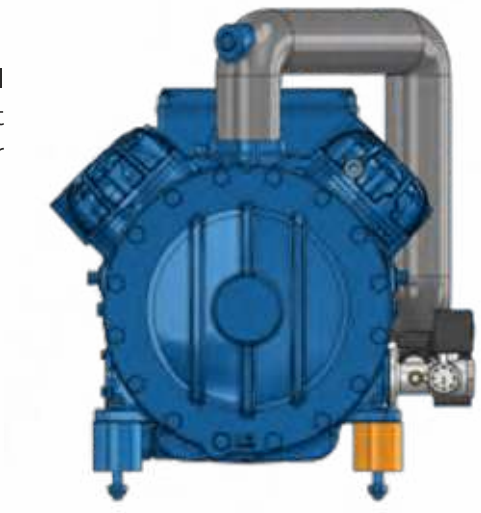
MONTHLY USER MAINTENANCE 1. Treat the fabric surfaces inside the cryotherapy chamber with a water repellent spray once a month and dry any wet areas with a soft cloth. 2. Unscrew the air vent covers along with the filters and make vents and filters maintenance Check the water level in the drip pan. Drain water from container as soon as it reached level. Open the valve underneath the drip pan and let the water drain into a cup or container. Then close the valve. Use a vacuum cleaner and/or compressed air to clean the filters and the inside of the cryo chember from dust. Reattach the air vent covers and filters. YEARLY MAINTENANCE (consult with the service and support team): 1. Replace the air vent filters and check vents 2. Lubricate any moving parts. 3. Refrigerant pressure/ fluid checkup. 4. Compressor checkup. Check freon leaking.

Monitoring the System Chamber/Condenser Cleaning With a chamber in use, upkeep on/monitoring the system becomes a necessary faculty. Manufacturer recommends for chamber upkeep to occur weekly. During the defrost cycle, any ice or frost in the chamber will melt and drain. As sessions are done, it is normal for users to track in dirt and debris to the chamber, this can clog the drain. If any water is not drained it will freeze during the next cooling cycle creating ice buildup in the chamber. It's important to keep the drains clear to allow melting water to exit the chamber. Please see recommended cleaning steps below. Recommended Upkeep: Once a Week: 1. Begin upkeep after the chamber defrost cycle has finished. 2. Remove floor mats. 3. If there is ice buildup, carefully scrape ice off of chamber surface. *Never use a heat gun or hairdryer to defrost chamber. 4. Using a clean cloth, wipe chamber walls. A non-abrasive cleaner may be used if needed. 5. Using a wet/dry shop vacuum, vacuum the floor and drain. 6. Wipe remaining water, dirt and debris from floor. *Be careful not to allow any dirt/debris to fall into drain. 7. Put the mats back into the chamber. Once a Month: 1. Unplug evaporator pan and let cool. 2. After pan has cooled, slide away from drain pipe and empty. 3. Wipepanclean. Use of a dishs couring pad may be necessary. 4. Depending on the setup of the pan, attach pan to the drain pipe or slide under pipe. Plug in power cord. Another point of contact that will require regular cleaning is the condenser. Depending on the location, manufcaturer recommends that the condenser be cleaned once a year. Certain locations may require more frequent cleaning, drier more dust heavy locations. Cleaning the condenser can be done one of two ways. The owner can use any HVAC technician that works on the A/C units on the building containing the cryo unit. Additionally, the owner can always create a service ticket with Manufacturer.

Manufcaturer recomend to replace door gaskets each 3-6 months.

Special maintenance for Grand version with Bitzer comressors.

1. System Oil Level When an Inspect level alert displays "Check Oil Levles", the system oil levels will need to be checked via the sight glasses on the oil regulators and oil separators. Each compressor has an oil regulator attached to the right side.



2. Monitoring the System The oil level in the regulator is indicated by a plastic ball floating in the sight glass. If the sight glass is empty, the ball would be sitting at the bottom and that may indicate that the system needs oil. A good oil level to see in the sight glass would be about 3/4 full with the ball floating.



Low Level, Needs Oil



Good Level, Does Not Need Oil

3. The regulators are just one point of inspection when checking system oil levels. The Oil Separator also has sight glasses which will need to be checked. An oil separator will have two sight glasses, an upper sight glass and a lower sight glass. The acceptable level for the oil separator should be for the lower sight glass to be completely full of oil and the upper sight glass to be completely empty. The sight glasses on the oil separator will also have the plastic ball to help indicate the oil level.

Low Level, Needs Oil





Good Level, Does Not Need Oil

4. POSSIBLE MALFUNCTIONS AND THEIR REMEDIES

Malfunction	Possible causes	Rectification measures
Extraneous noise during system operation	Interruptions in the compressor's operation	Stop the system's operation. Contact the manufacturer for consultation and arrange for diagnostics and repairs if necessary.
Low temperature in the chamber, incorrect temperature readings in the chamber	Malfunction of the temperature sensor	Contact the manufacturer for consultation and arrange for diagnostics and repairs if necessary.
	Excessive ice buildup on the main heat exchanger's fins	Thaw the main heat exchanger.
	High room temperature	Deterioration of the condenser's performance affects the entire system's operation.
	Insufficient performance of the condenser	The condenser's fins may be clogged with dust, or other obstacles in the air ducts may hinder the circulation of cold air through the condenser. Clear the airflow paths of obstacles and clean the condenser. Check the functionality of the condenser's fans

5. BASIC SAFETY PRECAUTIONS FOR EQUIPMENT OPERATION

The equipment consists of hydraulic and electrical components and moving parts that require special precautions during use.
Do not place the unit near sources of intense heat or cold or open flames.
Do not operate untested equipment, equipment with faulty components, or equipment with identified defects until it is fully repaired.
Do not turn the device upside down or place it vertically. If you transport the device in a package, use appropriate signs pointing to the top and a warning "Do not tip over»
Do not operate the device outdoors or in negative ambient temperatures. The unit is intended for indoor use with a working air conditioner.
When moving the unit from a cold environment to a warm room, wait until it reaches room temperature before turning it on. Do not place heavy objects on the unit. Avoid any shock or impact to the device.
Make sure all controls are working properly before operating. Verify that all mechanical elements are functioning properly by checking each control for its intended functions, ease of operation, and absence of unusual sounds, odors, smoke, or other abnormalities. Prevent clothing, cloth, or other foreign objects from getting between the housing and moving parts. Do not bend any cables of the device, whether the device is in operation or not.
Use the device only for its intended purpose.
Do not operate partially assembled and untested equipment. Make sure all connectors are securely fastened, all cables are reliably insulated, and all structural elements are properly installed and secured. Base latches must be securely fastened to the top plastic housing. Make sure that all protective plastic covers (covering the machine mechanisms) are in place.
When operating the machine, make sure that it is used in accordance with the operating instructions provided and that it operates smoothly. Keep the moving parts of the machine clean, paying special attention to the cooling system (remove dust and debris from the fan grille periodically, at least once a month, by hand or with a vacuum cleaner). Pay attention to the cleanliness of the device surface, especially for reasons of personal hygiene. After each use by a customer, wipe the touch points with a slightly damp cloth and treat them with a mild disinfectant solution.
Use the device only for the purposes described in the operating instructions. Set up the device in a dry place and operate it within the temperature range of +15 and+23°C(59-73 F) and humidity up to 20%. Increased humidity could take effect on over freezing and ice appears as well on improper equipment operation. Therefore use AC in premise and keep proper humidity. The device is not suitable for use by children. The unit is equipped with a fuse located in the main electric box inside the unit. Contact authorizated technician to replace the fuse. Blowing the fuse is not a defect, but frequent blowing may indicate problems with the power supply. Contact the manufacturer and ask a technician to check the unit for malfunctions. When working with electrical equipment, servicing moving parts, etc., turn off the power and unplug the power cord. When storing the device for a long period of time, provide new lubrication and protective coating regularly to parts which consisted such lubrication. Keep equipment in clean condition and remove dust and rust from equipment components.

SURVEY FOR CHECKING BEFORE COMMERCIAL USE

Please read the list of contraindications carefully.
CONTRAINDICATIONS: Pain or numbness, severe atherosclerosis or other ischemic vascular disease, unbalanced heart failure, known or suspected thrombosis or deep vein thrombophlebitis, gangrene, dermatitis, untreated or infected wounds, severe skin inflammation, recent surgery, skin cancer, blood-related diseases, fever, bacterial infections, hemophilia, various forms of tuberculosis, gastric or intestinal ulcers, asthma, hypertension, thyroid disease. The questionnaire must be completed by all clients/users prior to first use. The questionnaire can be recorded and copied for multiple use. Below is an example of a questionnaire.

Please answer the following questions by circling the corresponding answer

("YES" or "NO"):

Are you currently receiving treatment for any medical condition?	☐ ☐
Are you taking any medications?	☐ ☐
Do you suffer from respiratory diseases or epilepsy?	☐ ☐
Do you have any lung diseases or conditions related to oxygen exchange in the body, such as shortness of breath, asthma, etc.?	☐ ☐
Do you have any metallic or non-metallic objects in your body (implants, piercings, prostheses, etc.)?	☐ ☐
Do you have an implanted electronic device in your body?	☐ ☐
Have you had any surgery in the last three years?	☐ ☐
Do you have pain or numbness in any of your limbs?	☐ ☐
Do you suffer from joint problems, rheumatoid arthritis, etc.?	☐ ☐
Do you have diabetes or other metabolic disorders?	☐ ☐
Do you have problems with blood circulation in your legs and arms?	☐ ☐
Do you have varicose veins or other vascular disorders, including high cholesterol, etc.?	☐ ☐
Do you have open wounds, dermatitis, infectious wounds, gangrene, severe inflammation or skin grafts?	☐ ☐
Do you currently have or have you had thrombosis or deep vein thrombophlebitis in the past?	☐ ☐
Do you have heart disease, arteriosclerosis, other ischemic vascular disease, unbalanced heart failure?	☐ ☐
Do you have cardiac dysfunction, irregular heartbeat, arrhythmia, tachycardia, etc.?	☐ ☐

In case of possible contraindications or existing risk factors including the answer to any of the above questions as "YES", the Manufacturer recommend to get consultation of a medical doctor or a physician with appropriate experience about current patient to obtain approval and establish the proper exercise program and training methods on this device. If the device is operated in a gym, beauty salon, etc., the operator must inform the customer about the full list of contraindications, warnings and risks. The customer must also complete and sign the questionnaire, which will be kept by the operator. If the device is for private use at home, operator must ask the customer to read the complete list of contraindications, warnings and risks, and to complete and sign the questionnaire. if private customer operates machine by himself, he needs to read this user manual and be informed regarding contraindications and use equipment on his own risk. If the user/customer has NO contraindications for use and the answer to all questions in the survey is NO, the user needs to sign the following statement: I hereby certify that I have been informed of the contraindications, warnings and risks associated with the operation of the device. I have answered the above questions honestly and truthfully and certify that I have no contraindications to the use of the device. If my health condition deteriorates during or after the training, I will inform the device operator immediately. I release liability of operator/owner/manufacturer. I hereby acknowledge that I use the equipment at my own risk:

First and last name: _____

Signature: _____

Date: «_____» _____ 20____.

CUSTOMER QUESTIONNAIRE EXAMPLE

As a customer of the equipment owner (hereinafter referred to as "customer"), you acknowledge that the owner is (hereinafter referred to as "Studio") is not a medical specialist or a specialized medical facility. If the Client has a medical condition, is taking medication that increases skin sensitivity, has undergone procedures that increase skin sensitivity, or has allergies, the Client acknowledges that he/she has received a medical examination and consent from his/her physician to receive services at the Studio. Customer certifies that he/she currently has no medical conditions, is not pregnant, and has no mental disorders that would interfere with the aforementioned activities, and that he/she is voluntarily participating as a customer of this Studio. Client acknowledges that participation in the Studio may involve certain injuries, including but not limited to broken bones, muscle injuries, fatigue and other forms of injury and discomfort. Client assumes the risk for all injuries resulting from Client's participation, including injuries that may occur while using the equipment.

Customer agrees that if any portion of this Agreement is deemed invalid or unenforceable, the remaining portions shall remain in full force and effect. Customer acknowledges that it has carefully read the foregoing Resolution and Agreement and understands its contents, and that it voluntarily signs and intends to assume the legal obligations under this Agreement.

MANUFACTURER'S LIABILITY DISCLAIMER

The manufacturer or its sales representative will not participate in any legal proceedings involving customers or third parties. The owner of the equipment uses it at his own risk, peril and responsibility. The purchaser agrees that neither he nor his legal representative shall make any claim against the manufacturer, its agents, employees or contractors in respect of any injury, property damage and/or other loss suffered by the customer as a result of the presence and use of the Equipment.

Customer agrees to indemnify and hold harmless Manufacturer or its sales representatives, employees, agents, and representatives from any and all claims for bodily injury, physical or mental disability, social or economic loss, loss sustained by Customer due to improper use of the Equipment, use for other purposes, lack of timely care of the Equipment, damage to the Equipment caused by Customer or third parties, and malfunctions not caused by Manufacturer, including natural disasters and accidents.

The Customer shall maintain and inspect both the Equipment and the premises where the Equipment is installed, as the Equipment may not function properly due to inappropriate conditions of use, such as extreme heat, extreme humidity, slippery surfaces, including the presence of water, soap, oils and chemicals in the Equipment.

The customer operating the equipment is aware of all risks that may be posed to him/her or others operating the equipment purchased or contracted by the customer and agrees to personally use the equipment or perform domestic/commercial services at his/her own risk. Customer assumes all of the above risks and shall be personally responsible for all damages resulting from such bodily injury, serious injury and other consequences.

Any action by Customer against Manufacturer must be brought exclusively in the state in which the Equipment was manufactured, and Customer understands and agrees that the laws and procedures of that state will govern any action. If Manufacturer is required to pay attorney's fees or ensure compliance with this Agreement, Manufacturer reserves the right to deduct such fees and costs from Customer.

Full Name: _____

Signature: _____

Date «____» _____ 20____

Full Address: _____

_____

Phone: _____ Work/Home

Phone: _____

E-mail: _____

MANUFACTURER'S INFORMATION

On the front side of the machine, next to the power supply connector, there is a Nameplate indicating the following:
Manufacturer's name and address;
Model and version;
Serial number;
Country of origin (manufacture);
Input power specifications;
Year of manufacture;
Safety warning;
Disposal notice;
Certification marks.



MANUFACTURER WARRANTY

The manufacturer guarantees the operation of the equipment in accordance with the technical specifications stated in the acceptance protocol, provided that the customer has fully complied with the requirements for transport, loading and unloading, installation, operation and storage specified in this document andin the sales and supply contracts. The manufacturer is NOT LIABLE for poorly executed loading and unloading, installation work and improper storage of the equipment by the user.

The warranty period for the equipment is 12 months from the date of commissioning as indicated in the manufacturer's database, or not more than 18 months from the date of delivery to the end user or 2000 completed hours of operation with the equipment, whichever occurs first. Any other use is considered inappropriate and therefore dangerous. Any liability of the manufacturer under this contract or beyond for defects occurring during operation or for failure to comply with the manufacturer's requirements is excluded. A complete description of the manufacturer's warranty is available at www.vacuactivus.com, link: Warranty Terms.

If a component or part fails during the warranty period due to a manufacturer's error, the consumer has the right to a free repair in which all defects will be corrected and components/parts that failed during shipping/operation will be replaced (except in cases of improper use by the user or intentional damage to the device). In the following cases, the manufacturer's warranty will be voided and the free after-sales service will not be provided:

Is there significant damage to the Equipment caused after receiving the Equipment by the User?

Is there evidence of unauthorized access to internal nodes and units on the Equipment without notifying the Manufacturer?

Is there evidence of an attempt at unauthorized unskilled repair on the Equipment?

Is the defect caused by improper installation, storage, operation?

Are the identified defects caused by the detection of foreign objects, matter, liquids, animals, etc. in the car?

Failure to comply with operating modes and warnings during operation of the Equipment specified in this Manual?

Is there evidence of unreliable connection to the network on the Equipment, the use of improper cables to power the Equipment,violations of the parameters of the network to which the Equipment was connected?

The presence of force majeure (fire, lightning, flood and other natural disasters)?

Has the equipment been assembled or repaired by personnel not authorized by the Manufacturer, without notifying the Manufacturer?

Were there any damages/failures of protective seals on the Equipment?

Were parts not approved by the Manufacturer used during the repair of the Equipment?

VACUACTIVUS MEDSTARCOM

World Leading Manufacturer



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