



WHERE INNOVATION RESIDES

THERMOTHERAPY

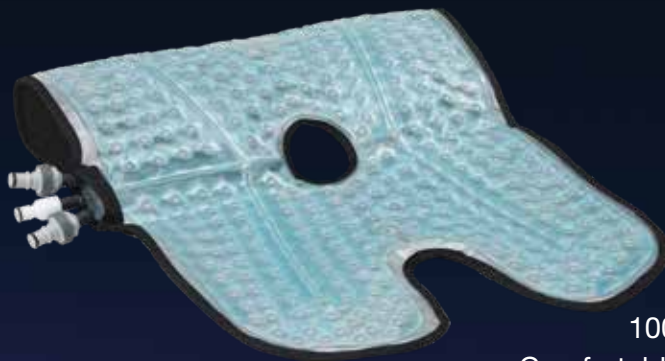
Heat, which increases tissue elasticity, is able to catalyze all biochemical reactions in the body by significantly increasing the amount of oxygen and nutrients in the tissues. It also helps to eliminate lactic acid that accumulates in the muscles, thus relieving spasms caused by muscular fatigue. Heat therapy can be alternated with the use of cold in cases where normal blood circulation is disturbed, such as in the subacute or chronic phase caused by certain traumas and inflammatory conditions. This alternation of hot and cold leads to a succession of vasodilation and vasoconstriction, thereby increasing the blood flow in the treated area.

WHERE INNOVATION RESIDES

CRYOTHERAPY AND ACTIVE COMPRESSION

When we talk about cryotherapy, we are referring to the use of cold for therapeutic purposes; cold, due to its analgesic and anti-inflammatory properties, is able to numb a painful muscle or joint for a certain period of time. The use of cryotherapy, combined with active compression, reduces the effects of inflammation or micro-lacerations of muscle fibers after an injury or after intense training routines. Cryotherapy is useful in cases where acute inflammatory states occur as a result of any type of injury or overload, such as muscle, tendon and ligament tears, contusions, sprains and strains, myalgia and muscle spasms, etc.





100% Handmade
Comfortable for Long Use
Optimized for consistent Temperature exchange
Direct Point of Contact with Patient Skin

APPLIED PARTS



THE

POWER
Up to 1.500 Watt





All ZAMAR devices are based on the principles of thermodynamics in industrial **REFRIGERATION SYSTEMS** applied to the medical sector:



100% Clean and Closed
Plug'n play recovery
No maintenance needed
Hands Free
Set exact temperature
& time you want to reach
Cryotherapy unit cold-hot,
air compression



TECHNOLOGY

SYSTEM

NO ICE - NO WATER

SOFTWARE

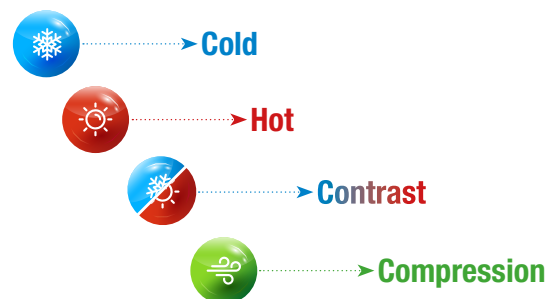
Intuitive touch-screen HMI interface
Simple icons and graphics
Different temperature and time
settings in several distinct phases
Storage of created settings
Entirely designed by Zamar



TECHNOLOGY

cryotherapy unit cold-hot, air compression

ZAMAR devices are heat exchange devices for **cryotherapy** and **thermotherapy** using thermal wraps in direct contact with the patient in combination with **active compression**.



NO ICE NO WATER

The principles of thermodynamics of industrial refrigeration applied to the medical field are the basis of all **ZAMAR** devices. These systems ensure high efficiency in heat exchange with the patient, setting new standards of effectiveness for this type of treatment, through the use of thermally induced transformations involving changes in temperature and energy state. That is why **ZAMAR** products do not need water or ice. The proprietary **ZAMAR Liquid** is used as a physical medium for the exchange of energy from the patient to the device. It is an integral part of the system and therefore does not need to be refilled and/or emptied after each treatment.

REFRIGERATOR SYSTEM

Refrigeration systems are designed to transfer heat from a lower temperature environment to a higher temperature one, essentially cooling the desired area. This mechanism allows for extremely precise temperature control, which is essential for the safety and effectiveness of medical cryotherapy. High efficiency and reliability are the main features of these systems.





100% CLOSED CLEAN SYSTEM

Designed to be self-contained, the **ZAMAR** system guarantees a highly efficient, closed-loop product. Thanks to the use of anti-drip connectors (**DRIPLESS SYSTEM**), **ZAMAR** products are always clean in every area of use, ensuring an isolated system that is not potentially contaminated by external factors.

PLUG 'N PLAY RECOVERY

Plug & Play technology allows treatment to begin without any preparation. The system is always ready to deliver therapy, reducing preparation time to zero.

NO MAINTENANCE NEEDED

ZAMAR machines don't require any special maintenance. The process takes place automatically inside the system. There is no need to refill or clean the system after each treatment. Everything is isolated from the outside. The units, including the heat wraps, come pre-loaded with **ZAMAR** Liquid, so everything is ready to use.

HANDS FREE

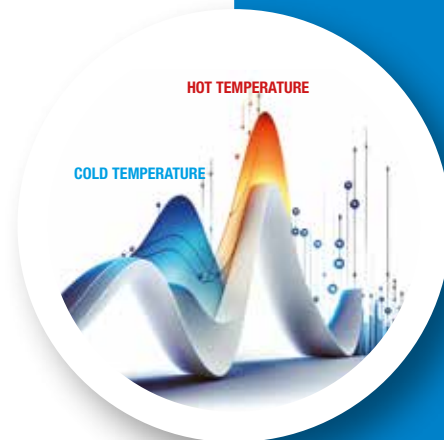
Thanks to the wearability of our anatomical bands and the automatic release of treatments, the operator can **COMBINE THERMAL TREATMENTS** and **MASSAGES** to make the latter as **EFFECTIVE** as possible, or perform other activities during **ZAMAR** treatments. This leads to an optimization of the operator's time.

YOU JUST HAVE TO CLICK AND START

TECHNOLOGY

cryotherapy unit cold-hot, air compression

SET YOUR THERAPIES AS LONG AS YOU LIKE



HOT TEMPERATURE RANGE

+45°



COLD TEMPERATURE RANGE

"SET EXACT TEMPERATURE YOU WANT TO REACH"

SET EXACT TEMPERATURE & TIME YOU WANT TO REACH

Deciding **EXACTLY** what temperature to use is the real “plus” of **ZAMAR** products. In this way, the practitioner will be able to make use of his knowledge and apply it to the treatments to give a real benefit to his patients. Without compromise, everyone can choose their own optimal temperature in 1°C increments and maintain it for as long as necessary, thanks to the ice and water FREE system.

WIDE RANGE OF SETTINGS

ZAMAR devices are able to extract heat (cryotherapy) or transfer it to the patient (thermotherapy) in a range from **0° (32°F) to +45°C (113°F)**. This allows total freedom in choosing the ideal temperature, so that any pathological condition can be treated according to the patient's conditions and sensitivities.

POSSIBILITY TO SELECT DIFFERENT AIR COMPRESSION SETUP

The ability to combine the benefits of cryotherapy and thermotherapy with **ZAMAR** active compression makes our systems a new way of approaching this type of treatment. It is possible to select the degree of **COMPRESSION** (40-60-80 mmHg) and the **DURATION** to create a truly personalized treatment according to the patient's needs. Up to 5 levels of duration can be selected, from intermittent to constant compression over time.

SOFTWARE

Advance technology easy to use

The intuitive touch screen HMI with simple icons and graphics allows the operator to use the system in all its power and practicality, enabling immediate use and understanding of the system.



TWO STAGES OF TEMPERATURE

The **software**, entirely designed and developed by **ZAMAR**, allows the setting of **different temperatures and times in different phases**. This makes it possible to set up real differential thermotherapy cycles (**cryotherapy - thermotherapy**) and thus create personalized protocols, taking advantage of the state transition between different temperatures and the related body reactions (**vasoconstriction - vasodilation**). The **software** also allows settings to be saved and reused for future treatments.



Temperature 1



Temperature 2



The HOME screen is used to launch the Quick Setup program, to view the treatments stored in the database, and to set the compression time.



When selecting the program it is possible to set 2 different phases, the temperatures, the duration of each phase, the pause time between the phases and the number of repetitions of the cycle. For your convenience, the system always suggests the most recent settings.



The treatment run screen displays temperature, therapy progress and cycles. It is possible to pause and resume the treatment at any time and to select one of 3 different compression levels.



When treatment is complete, a flag will appear on the display indicating the end of cycles. When clicked, the system will return to the HOME screen, ready for a new activity.



The system allows you to choose from 5 different compression time modes on the Compression Settings screen.



Treatments stored in the database can be selected from the list. Twelve buttons are available for saving personal therapies.

THE POWER

Great performance up to 1500 watts

ZAMAR devices are capable of delivering up to **1,500 watts** of energy per treatment, thanks to more than **60 years** of experience in industrial cooling. This is incomparable to other systems and allows for subcutaneous penetration. In other words, **ZAMAR** devices can reach every point to be treated (**skin or subcutaneous**), guaranteeing maximum effectiveness of the rehabilitation process.



USING MULTIPLE WRAPS AT THE SAME TIME

More Power and Flexibility for New Devices

Besides having the ability to penetrate layers of the body, the power of our devices allows to use multiple wraps (**up to 4**) simultaneously. This makes it possible to use **ZAMAR** thermal bands on different parts of the body at the same time, to treat different conditions on different areas, and **to potentially treat multiple patients at the same time.**



APPLIED PARTS

100% handmade



THERMAL WRAPS

OUR SIGNATURE CREATIONS

cryotherapy unit cold-hot, air compression



DIRECT POINT OF CONTACT WITH PATIENT SKIN

The unique design ensures that the treatment is delivered evenly over the ENTIRE surface of the anatomical wrap. This allows you to always have a clear idea of how much body surface area is being treated, depending on the wrap used.

COMFORTABLE FOR LONG USE

All handcrafted workmanship follows our customers' requirements to ensure unparalleled fit and durability. Years of experience in heat treating body parts are incorporated into the shapes and details.

OPTIMIZED FOR CONSISTENT TEMPERATURE EXCHANGE

The research of the materials is one of the distinguishing factors of our creations. Years of study have led to the selection of materials that guarantee comfort and wearability, even at extreme temperatures, for the duration of the treatment. These materials allow the creation of anatomical shapes that perfectly adapt to the part of the body treated, ensuring maximum energy exchange between the patient and the device.



Z-ONE®



PORTABLE

COLD AND AIR-COMPRESSION RECOVERY SYSTEM



The **most compact** and **lightest** in the **ZAMAR** range, the **Z-ONE** offers ease of transportation without sacrificing performance. Dedicated to those who need a simple, ready-to-use device, **Z-ONE** is capable of performing cryotherapy treatments between **5°C** and **15°C** with the option of applying **ZAMAR** active compression.

NO ICE - NO WATER NEEDED.

Z-ONE®

TREATMENT:
CRYOTHERAPY / ACTIVE COMPRESSION

TEMP RANGE +5°C + 15C°

POWER 450W

DISPLAY HMI 5"

CONTEMPORARY WRAPS UP TO 2



ACCESSORIES



T Hose

Trolley



Z-ONE: FEATURES

REF. CODE:	MG455BA
TEMPERATURE RANGE:	+5 °C - +15 °C
DISPLAY:	HMI 5"
AIR COMPRESSION LEVELS:	40-60-80mmHg
CE MD CLASS:	Ila
STORABLE TREATEMENTS:	2
INPUT POWER:	140w
DIMENSIONS:	29x26x30cm
WEIGHT:	9kg

Z-ONE: COMBINATION OF THERMIC WRAPS

ANKLE:	• •
KNEE / CALF:	• •
ANATOMIC KNEE:	• •
THIGH:	• •
FULL LEG:	•
LUMBAR:	•
ELBOW / WRIST:	• •
HIP:	•
SHOULDER:	• •

TABLE INFO

The table illustrates the simultaneous use of more than one wrap (when using the double "T HOSE"). It is therefore possible to configure each treatment with two simultaneous wraps when two dots are present (• •)

Ex. x2 ankles,
or
x1 thigh + x1 ankle.

If only one dot is present (•), connect only the specified wrap.

Ex. x1 full leg (only).
or
x1 Hip (only).





PROFESSIONAL

COLD, HOT AND AIR-COMPRESSION RECOVERY SYSTEM



A line designed for the **professional world**, specifically for **centres of excellence specialising in recovery and rehabilitation**. These devices offer a wide temperature range (**0°C – 40°C**) and allow you to create **customised protocols for cryotherapy, thermotherapy and active compression**. Also ideal for contrast treatments, they stimulate circulation and metabolism. They allow **simultaneous treatment of two areas of the body** and are available in portable or trolley versions to suit every need.

NO ICE - NO WATER NEEDED.



TREATMENT:
CRYOTHERAPY / THERMOTHERAPY
AND ACTIVE COMPRESSION

ZH4

ZC4



TEMP RANGE $+0^{\circ}\text{C} + 40^{\circ}\text{C}$
POWER 750W
DISPLAY HMI 7"
CONTEMPORARY WRAPS UP TO 2



ACCESSORIES



T Hose for ZC4

Trolley for ZC4



FEATURES:

	ZC4	ZH4
REF. CODE:	MG465AA	MG655AA
TEMPERATURE RANGE:	+0 °C - +40 °C	+0 °C - +40 °C
DISPLAY:	HMI 7"	HMI 7"
AIR COMPRESSION LEVELS:	40-60-80mmHg	40-60-80mmHg
CE MD CLASS:	Ila	Ila
STORABLE TREATEMENTS:	12	12
INPUT POWER:	370w	390w
DIMENSIONS:	37x32x33cm	27x37x86cm
WEIGHT:	14kg	25kg

COMBINATION OF THERMIC WRAPS

ANKLE:	• •
KNEE / CALF:	• •
ANATOMIC KNEE:	• •
THIGH:	• •
FULL LEG:	• •
LUMBAR:	• •
ELBOW / WRIST:	• •
HIP:	• •
SHOULDER:	• •

TABLE INFO

The table illustrates the simultaneous use of more than one wrap (when using the double "T HOSE"). It is therefore possible to configure each treatment, not necessarily of the same type.

Ex. x2 ankles,
or
x1 thigh + x1 ankle,
or
x1 hip + x1 shoulder,
etc.



ZTCLINIC



EVER AHEAD.

COLD, HOT AND AIR-COMPRESSION RECOVERY SYSTEM



The **ZTCLINIC** is the flagship of our range and can be considered as the most powerful device in the heat treatment field. An **11" display** with an extremely intuitive interface, **ZTCLINIC** can manage up to **4 wraps** simultaneously, taking full advantage of the maximum temp° range of our units (**0°C / +45°C**). Ideal for any facility that needs a unit capable of treating multiple patients (or multiple body parts) simultaneously. Wheeled product for easy movement between departments.

NO ICE - NO WATER NEEDED.

ZTCLINIC

TREATMENT:
CRYOTHERAPY / THERMOTHERAPY
AND ACTIVE COMPRESSION



TEMP RANGE 0°C + 45°C°

POWER 1500W

DISPLAY HMI 11"

CONTEMPORARY WRAPS 2 UP TO 4



ACCESSORIES



T Hose



Flycase



ZTCLINIC: FEATURES

REF. CODE:	MG675AA
TEMPERATURE RANGE:	0 °C - +45 °C
DISPLAY:	HMI 11"
AIR COMPRESSION LEVELS:	40-60-80mmHg
CE MD CLASS:	Ila
STORABLE TREATEMENTS:	12
INPUT POWER:	920w
DIMENSIONS:	37x55x93cm
WEIGHT:	43kg



ZTCLINIC: COMBINATION OF THERMIC WRAPS

ANKLE:	• • • •
KNEE / CALF:	• • • •
ANATOMIC KNEE:	• • • •
THIGH:	• • • •
FULL LEG:	• • • •
LUMBAR:	• • • •
ELBOW / WRIST:	• • • •
HIP:	• • • •
SHOULDER:	• • • •

TABLE INFO
The table illustrates the simultaneous use of several wraps. It is therefore possible to configure each treatment with up to four wraps simultaneously, not necessarily of the same type, using two double "T HOSE" tubes.

Ex. 4 full leg
or
x2 calves + x1 thighs + x1 elbows
or
x2 hips + x2 ankles.
etc.

ANKLE

Cod. 1ACS272A



KNEE / CALF

Cod. 1ACS267A



ANATOMICAL KNEE

Cod. 1 ACS279A



THIGH

Cod. 1ACS266A





FULL LEG L/R

Cod. 1ACS201A Left
Cod. 1ACS200A Right



LUMBAR

Cod. 1ACS268A



ELBOW / WRIST

Cod. 1ACS270A



HIP L/R

Cod. 1ACS284A Left
Cod. 1ACS283A Right



SHOULDER

Cod. 1ACS269A



JAW

Cod. 1ACS292



FACE

Cod. 1ACS291



KNEE/ THIGH

Cod. 1ACS205A





1962

A STORY BEGINS

The **Zanotti** family has been operating in the industrial refrigeration sector for over 60 years. **Mario Zanotti** developed the 'UNIBLOCK - ZANOTTI' technology, which has been the industry standard since **1970**. Constant innovation has always been central to their business.



2006

TRANSFORMING PASSION

In 2006, **Mario Zanotti's** passion for the equestrian world led to the creation of the first computerised cryotherapy system for horses, designed to treat injuries and joint overload, combining refrigeration technology and veterinary care.

PRODUCERS SINCE THE BEGINNING...

Thanks to the experience it has gained, **ZAMAR** develops and manufactures cutting-edge systems, designed in-house to meet market demands and tackle industry challenges with continuous innovation.



2025

AND NEVER STOP.

Since its inception, the company has focused on the future, innovation, and the search for new technologies and materials, introducing revolutionary principles and concepts. **ZAMAR** sets the pace of change; it does not wait for it.





ZAMAR MEDICAL d.o.o.

Ronki 1/A Nova Vas - (52474) Brtonigla - (PU) - Croatia (HR)

Tel: +385 (0)52 496 111 - VAT: HR96642432252

info@zamar.care

www.zamarmedical.com