



# 70

**THE ULTIMATE TECARTHERAPY**

**THE MOST EFFECTIVE**

**THE EASIEST TO USE**

**THE SAFEST**

# TECARTHERAPY

## WHAT IS IT AND WHAT BENEFITS DOES IT OFFER?

**CONTACT DIATHERMY** – more commonly known as **TECARTHERAPY** – is a medical practice that applies radiofrequency to biological tissue with a frequency ranging from 300 kHz to 1 MHz without generating muscle contraction. The position of the electrodes on the body determines the current path, thereby ensuring a deep, targeted, comfortable application that is also easy to control and manage.

**The heat-induced vasodilation increases the exchange of substances promoting the drainage of the inflamed area and the influx of reparative cells.**

Tecartherapy is based on the use of an electromedical device that uses high-frequency currents for the

### CHEMICAL | THERMAL | MECHANICAL

biostimulation of tissues with different resistivity.

Physiotherapy, rehabilitation, and pain management are the fields that most use the beneficial effects of tecartherapy.

- Bruises and sprains
- Post-surgery rehabilitation
- Sports traumas
- Muscle and tendon disorders
- Cicatricial outcomes
- Spine and peripheral joint disorders
- Vascular and lymphatic system disorders
- Orthopaedic disorders of the peripheral nervous system
- Pelvic floor rehabilitation

Tecartherapy units are the most widespread medical devices in physiotherapy centres across Italy and Spain. They are often the first piece of equipment to be bought.

THE NUMBER  
OF UNITS IS  
GROWING  
ALL OVER THE  
WORLD!



































**WIDE**  
RANGE OF TREATMENTS  
FROM ACUTE TO CHRONIC



# TECARTHERAPY VERSUS OTHER ELECTROMEDICAL DEVICES

## COMPARATIVE TABLE

	LASER AD HP	SHOCKWAVE	TECARTHERAPY	FISIOWARM 7.0
ACUTE PHASE				
CHRONIC PHASE				
SMALLER AREAS				
LARGER AREAS				
COMPLIANCE				
DEEPER AREAS				
SUPERFICIAL AREAS				
SAFETY				

## UP TO NOW TECARTHERAPY DEVICES HAVE HAD GREAT EFFICIENCY LIMITATIONS:

- Limited management of the depth of the treatment (only one or a limited range of frequencies)
- Not effective in the acute phase due to the thermal effect of traditional tecartherapy
- Difficult to manage some anatomical regions due to the limited range of applicators
- Difficult to choose the right protocol/ approach for a disorder
- Operator's exposure to unwanted electromagnetic fields
- Risk of burns and electric shock

# FISIWARM 7.0

IS THE MOST ADVANCED AND EFFECTIVE UNIT ON THE MARKET FOR TREATING OSTEOARTICULAR AND PERIPHERAL NERVOUS SYSTEM DISORDERS.

## THE MOST EFFECTIVE

The new Fisiowarm 7.0 features allow the therapy to adapt perfectly to the patient:

- **FREQUENCY ON DEMAND** choose the best frequency for your treatment in a range from 300 kHz to 1 MHz in steps of 1 kHz.
- **AAW** technology, designing increasingly modern and efficient circuits. This technology continuously varies the characteristics of the signal to adapt to the patient and the type of application.
- **HEA** technology now allows for high power biostimulation therapy keeping the thermal effect up to 10 times lower than traditional tecartherapy devices.

## THE MOST COMPLETE

Fisiowarm 7.0 ensures the highest performance with infinite treatment

- **MULTIEMISSION** Continuous, sensitive, 4 heat-free levels.
- **ACCESSORIES** In addition to the traditional unipolar electrodes, there are 8 NEW SERIES OF INNOVATIVE ACCESSORIES to reach any anatomical region.
- **YURI** A REVOLUTIONARY USER EXPERIENCE a user-friendly iOS app for iPads you can update through the AppStore guides you through a natural, obstacle-free path to easily interact with Fisiowarm.

## THE SAFEST

Our continuous research and development of new technologies for the practitioners' safety have always characterised Fisiowarm ever since it was launched on the market.

Fisiowarm was the first unit to eliminate the risk of electric shock and accidental burns thanks to the implementation of low-voltage circuits even for the capacitive transfer. The recent technological solutions have allowed Fisiowarm to pass even the most stringent electrical safety tests and be classified as Class B equipment, which ensures its safety even in non-professional settings.



LOW VOLTAGE  
CAPACITIVE



# THE MOST EFFECTIVE



FREQUENCY  
ON DEMAND





**CONSIDERABLY MORE EFFECTIVE FOR ANY TYPE OF TREATMENT**



In physics, amplitude, frequency, and waveform are the main parameters that describe the characteristics of a wave-like electrical signal.

The early diathermy technologies only allowed for sine waveforms, which were, in fact, the most widely used waveforms in tecartherapy for many years.

Now, increasingly modern and efficient circuits have made it possible to easily vary the waveform, frequency, and amplitude to adapt to various types of treatment.

Today, the AAW technology allows Fisiowarm® 7.0 to generate a self-adaptive wave. The signal adapts continuously and automatically based on the patient's impedance and the parameters set by the operator.

THE AAW WAVEFORM In electrotherapy, the waveform of a signal characterises its behaviour.

Fisiowarm 7.0 shapes the output waveform optimising its behaviour based on the treatment and the set output level:

#### Low voltage

Fisiowarm 7.0 sets a waveform focusing on the power level (biostimulation) rather than the energy level (thermal effect), which is reduced to less than half the nominal level.

Moreover, at low output levels, a special filter adapts the harmonic spectrum of the signal based on the patient's impedance, thereby increasing its effectiveness.

#### High voltage

As the output level grows, Fisiowarm 7.0 changes the waveform increasing the thermal efficiency compared to the power level, thereby ensuring greater comfort and safety despite conveying increasing amounts of energy.



Reducing the effect of heat and increasing that of electrical stimulation to intervene even in the ACUTE PHASE.

## HIGH POWER WITHOUT INCREASING THE TEMPERATURE

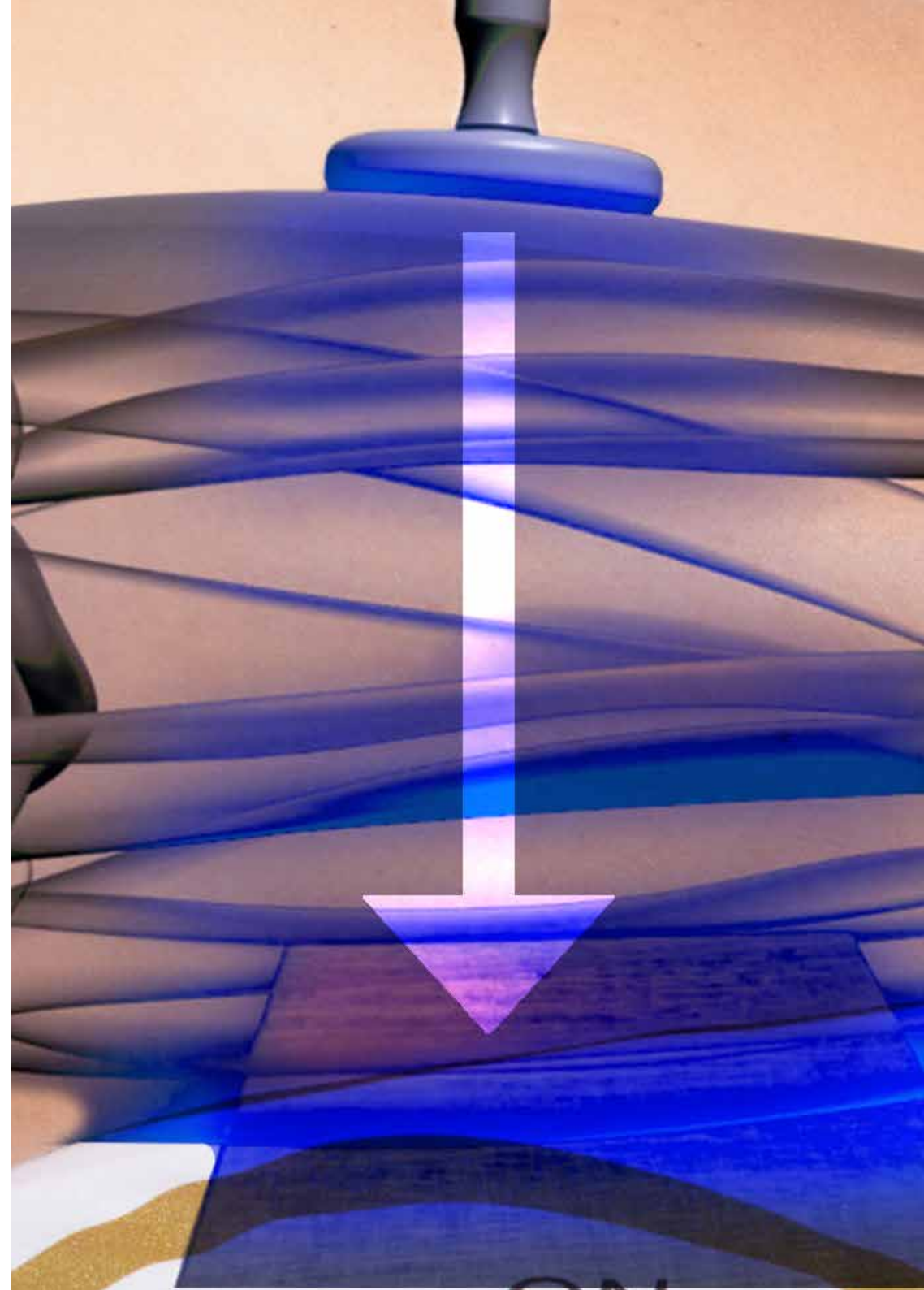
The **SUPERPULSED** feature is now available for tecartherapy.

The only system that makes it possible to treat patients in the acute phase by transferring high-frequency energy.

The high-intensity micropulses it generates indicate that there is a negligible increase in thermal energy in the treated area.

The output signal is modulated by activating of short, high-energy pulse trains thousands of times per second on a zero energy base.

The duration of the pulse trains can be 5 to 10 times lower than the total emission time, depending on the treatment, which means a **5 to 10 times lower thermal power given the same level of voltage applied.**



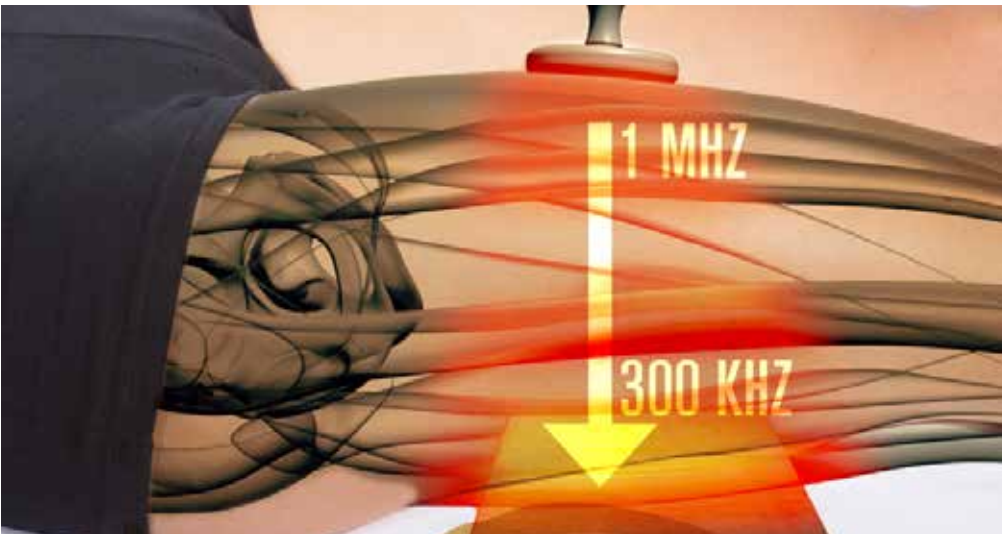


# FREQUENCY ON DEMAND

For the first time, a tecartherapy unit allows you to select the most suitable frequency for your treatment in a range from 300 KHz and 1 MHz in steps of 1 KHz.

This way, you can choose precisely the depth at which the energy is released and increase or reduce the depth of the treatment. You can also set a preselected value that suggests the ones you use more frequently, as well as the frequencies shown in publications and clinical evidence.

**THIS MEANS THAT THE FREQUENCY RANGE CAN MEET  
ANY POSSIBLE REQUIREMENT**



# THE MOST COMPLETE



28 ACCESSORIES





## THE ULTIMATE USER EXPERIENCE

For the first time, an app controls and communicates with the device to simplify and enrich human-machine interactions. This way, the user can enjoy a truly dynamic experience and is free to move, thanks to the remote Bluetooth control.

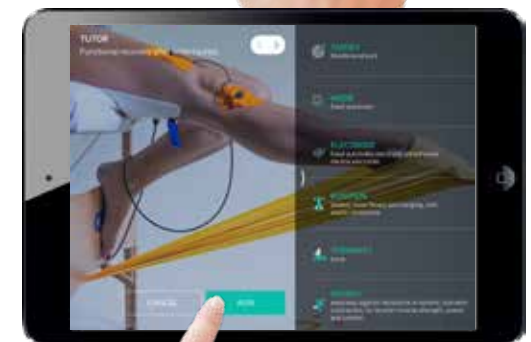
### With YURI you have:

1. All the work parameters at a glance on your iPad, which you can place wherever is more comfortable for you
2. Preset protocols to fully exploit the equipment's potential and the vast range of accessories to treat the various disorders
3. Advanced treatment modes
4. Patient feedback and charts for an intuitive overview of the quality of the treatment
5. Patient record software and progress monitoring

For a superb treatment experience!

- It reduces distraction
- It improves patient compliance

Fisiowarm 7.0 and Yuri, together with the latest technology available for iPad, ensure an extraordinary user experience.



# 28 ACCESSORIES

28 ACCESSORIES to cover the full range of applications  
(musculoskeletal, aesthetic, and pelvic floor disorders):

- UNIPOLAR
- BIPOLAR
- MYOFASCIAL
- INTIMITY
- PHYSIOAESTHETICS
- NEUTRO DINAMICO
- TRIGGER POINT
- STATIC AUTOMATIC



FASCIAL FULL



AESTHETIC



INTIMITY



CAPACITIVE BIPOLAR



RESISTIVE BIPOLAR



# THE SAFEST



LOW VOLTAGE  
CAPACITIVE







FOR A SAFE, COMFORTABLE AND HIGHLY EFFECTIVE APPLICATION

Fully shielded electronics and special manufacturing technology to limit the “aerial effect”.

**Special cables** specifically made to shield the signal, last over time, and maintain their shape and elasticity.

**A more focused signal for better performance and compliance** the output signal is automatically modulated.

**Constantly Floating Patient Circuit.**

**LOW VOLTAGE  
CAPACITIVE**

**Low-voltage capacitive electrodes** with highly conductive and biocompatible Gold (1 micron) with circuits designed for different contact areas.



## RADIOFREQUENCY DISPERSION TO THE BARE MINIMUM

AS A RESULT, FISIOWARM 7.0 HAS PASSED ALL THE MOST STRINGENT TESTS AND IS CLASSIFIED AS CLASS B FOR RADIATED AND CONDUCTED EMISSIONS ACCORDING TO THE EN 60601-1-2 STANDARD, WHICH MEANS THAT IT CAN BE USED EVEN IN NON-PROFESSIONAL SETTINGS.



# LIFETIME WARRANTY\*

70 years after launching our first diathermy solution, we have developed the most technologically advanced and therapeutically effective system on the market for the treatment of osteoarticular and central nervous system conditions.

WE ARE SO SURE ABOUT ITS QUALITY THAT WE OFFER A  
**LIFETIME WARRANTY\***

\* The limited "Lifetime Warranty" granted by us refers, inter alia, to a 6 years period as from the original purchase of the Fisiowarm® 7.0. product. For terms and conditions and limitations of our "Lifetime Warranty", please refer to our Limited Warranty Declaration.





**FISIO** move ON  
pain OFF **WARM**

**HIGH**  
**COMPLIANCE**





# THERAPEUTIC INTEGRATION

FROM SPORTS REHAB TO MANUAL THERAPY AND OSTHEOPATHY

# NATIONAL SPORTS FEDERATIONS AND PROFESSIONAL ATHLETES TRUST FISIOWARM FOR THEIR TREATMENTS

After all, dynamism and effectiveness are essential for anyone whose main goal is a successful result.



FRANCESCA PORCELLATO  
Para-cycling olympic and world  
champion





# FISIOWARM® 7.0 MODELS COMPARATIVE TABLE

PRODUCT	FISIOWARM 7.0 300	FISIOWARM 7.0 400
INTERFACE	<ul style="list-style-type: none"> <li>- Fisiowarm iPad App (included)</li> <li>- OLED display and rotary encoder with multi-function button</li> </ul>	<ul style="list-style-type: none"> <li>- Fisiowarm iPad App (included)</li> <li>- OLED display and rotary encoder with multi-function button</li> </ul>
NOMINAL POWER	300 Watts	400 Watts
OPERATING FREQUENCY	300, 500 kHz, 1MHz	Free manual setting of values ranging from 300 kHz to 1 MHz. Preset frequencies: 300, 400, 450, 500 kHz, 1MHz, AUTO (automated scanning of the preset frequencies)
EMISSION	Continuous Sensitive Athermia	Continuous Sensitive Athermia 1/2/3 Superpulsed
OPERATING MODE	Unipolar Bipolar Neutro Dinamico Static Automatic	Unipolar Bipolar Neutro Dinamico Static Automatic
ACCESSORIES INCLUDED	Unipolar electrode kit (cap+res) Bipolar electrode kit (cap+res) Trolley with 2 shelves, one of which is heated	Unipolar electrode kit (cap+res) Bipolar electrode kit (cap+res) Trolley with 2 drawers, one of which is heated
COMPATIBLE ACCESSORIES	The whole range	The whole range
ENERGY TRANSFER	Capacitive Resistive	Capacitive Resistive
PRESET PROGRAMS	56 guidelines that can be integrated into the new releases of the app and advanced modes	56 guidelines that can be integrated into the new releases of the app and advanced modes



**FISIO** move ON  
pain OFF **WARM**

by



**GOLDEN STAR**

**GOLDEN STAR S.R.L.**

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[www.fisiowarm.com](http://www.fisiowarm.com)

## THE ULTIMATE TECARTHERAPY

*Golden Star's 15 years of experience in tecartherapy and over 70 years of history have led to the best product on the market.*

*After years of continuous innovation, we are the only ones who have actually surpassed ourselves leaving the competition behind.*

*We have done so using the most advanced technology, the best products available, and ensuring maximum interaction with physiotherapists to create new accessories and new applications.*

*Fisiowarm 7.0 is more than just an extraordinary device. It's everything that you have ever wanted in a tecartherapy unit and didn't think it was possible. All this with a beautiful design that makes the difference.*

*Fisiowarm 7.0 ensures the ultimate tecartherapy experience because we believe that it can't get much better than this!*



The information and contents contained herein are purely indicative and are not contractually binding



The Fisiowarm® line is designed and produced entirely in Italy.



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