

O.P.A.F.<sup>®</sup> Therapy



## High-frequency pressure waves for a high power focalized action in depth

### Triple action:

- Mechanical effect
- Cavitation
- Diathermy



APPLICATOR FOR O.P.A.F.® THERAPY  
1-3 MHz



CE 0051

### Recommended for:

- Calcifications
- Muscular lesions
- Tendonitis
- Epicondylitis
- Plantar Fasciitis
- Shoulder calcific tendinopathy
- Articular rigidity
- Calcaneal spur

Over 27 years of experience in the creation of ultrasound devices for Rehabilitation, Physiotherapy, Sports Medicine and Aesthetic Medicine, gives Fisioline® a significant advantage in designing an innovative equipment for **O.P.A.F.® Therapy** (High-frequency pressure waves).

**O.P.A.F.® Therapy** is a new device which produces high-frequency pressure waves exploiting an innovative output stage called Class E.

The high peak power of the generated waves allows to obtain an amplified mechanical effect with a greater energy to break up, for a high power focalized action in depth.

**O.P.A.F.® Therapy** uses a new self-regulation system related to the impedance of the treated tissue, which enables the constant transmission of the transferred power. The elevated mechanical efficiency consequently obtained translates into a great therapeutic efficiency.

**O.P.A.F.® Therapy** can be used both as an ultrasound in Class E and a disrupting wave. The versatility of **O.P.A.F.® Therapy** offers the operator the possibility to work on several pathologies: calcifications, muscular lesions, tendonitis, epicondylitis, plantar fasciitis, shoulder calcific tendinopathy, articular rigidity, calcaneal spur.

**O.P.A.F.® Therapy** measures the patient's tissue impedance and, together with the Energy Power Bar, monitors and real-time displays the energy transferred to the tissues. The device is also equipped with a protection system that detects the contact of the applicator on the skin, for safe and problem-free procedures.

**O.P.A.F.® Therapy** is a compact instrument, light and easily transportable, that offers extraordinary performances able to satisfy every demand of treatment.

## technical features

- MODEL: O.P.A.F.® Therapy
- TECHNICAL CLASSIFICATION: electromedical equipment Class I type BF
- MEDICAL DEVICE CLASS: IIb (Dir. 93/42/EEC, modified by the Dir. 2007/47/EC)
- EMISSION FREQUENCY: combined 1MHz and 1-3MHz  $\pm$  5% by means of an A.F.S. (Automatic Frequency Switching) device
- MAXIMUM OUTPUT POWER DENSITY: 5W/cm<sup>2</sup>
- AVERAGE OUTPUT POWER DENSITY: 3W/cm<sup>2</sup>
- N° 1 OUTPUT CHANNEL for O.P.A.F.® Therapy
- CONTACT CONTROL DEVICE visual and acoustic and self-calibration
- OPERATING MODES: continuous and pulsed output with 10% to 90% duty cycle
- WIDE BACKLIT GRAPHIC DISPLAY 240x128 pixel
- PRESET PROGRAMS
- PROGRAMMABLE USER PROGRAMS
- TIMER: varying 1 to 30 minutes in 1 minute interval
- ACOUSTIC SIGNAL AT END OF TREATMENT
- POWER SUPPLY VOLTAGE: ~230V (~115V upon request)
- LINE FREQUENCY: 50-60 Hz
- ABSORBED POWER: 80VA
- WEIGHT: 5 Kg
- SIZE: 350x265x150 mm

## standard accessories

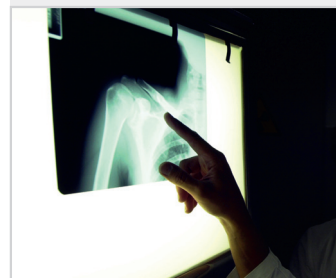
- N° 1 applicator for O.P.A.F.® Therapy 1-3MHz with a diameter of 55mm (contact surface 24 cm<sup>2</sup>)
- N° 1 Carrying case
- N° 1 Gel bottle

## reference standard

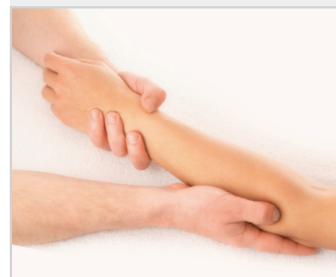
- EN EN 60601-1, (IEC 60601-1)
- EN 60601-2-5, (IEC 60601-2-5)
- EN 60601-1-2 (IEC 60601-1-2)
- EN 60601-1-4 (IEC 60601-1-4)
- EN 61689 (IEC 1689)

CE Marking: the device complies with the requirements specified in the Directive 93/42/EEC, modified by the Directive 2007/47/EC, and in the Directive 2004/108/EC.

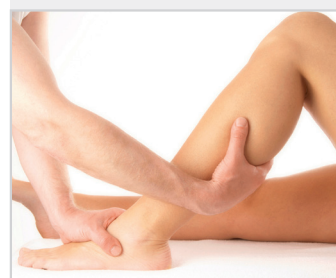
## SPECIFIC FOR:



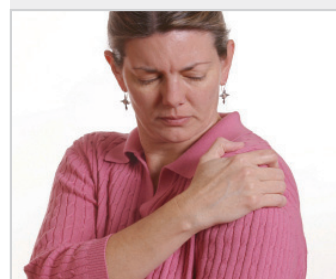
CALCIFICATIONS



EPICINDYLITIS



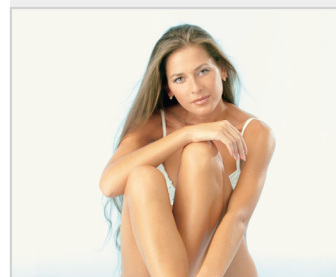
MUSCULAR LESIONS



IMPINGEMENT SYNDROME



TENDONITIS



AESTHETIC MEDICINE



FISIOLINE® instruments are covered by FONDIARIA-SAI product liability insurance.



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