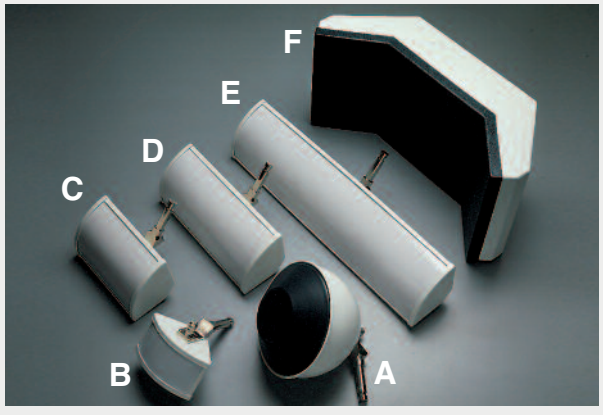
ENDOSAN: choosing the best without any compromise!

ENDOSAN is a modern device for microwaves therapy.
ENDOSAN could deliver both continuous microwaves for creating hyperemia effects over the area of the treatment and also pulsed microwaves for transmitting electromagnetic waves without making warm over the superficial tissues. This innovative device is capable to deliver electromagnetic field only, without provoking warm while acute diseases are present and/or while warm is not indicated for the general situation of the pathology.
Microwaves operating at 2450 MHz frequency have been shown to be effective in the treatment of painful joints (eg cervical disorders, dorsalgia, lumbago, etc.), in degenerative rheumatic diseases (eg osteoarthritis, rheumatoid arthritis). And lately, thanks to pulsed emission modes, it is useful to use micro-waves in recent traumas (eg distortions, bruises, hematomas, muscle injuries, etc.). The wheeled frame device is provided with an attractive and innovative design and it is especially comfortable to move. The handle placed on the back of the unit is allowing a comfortable and safe movement. Finally, the multi-articulated arm is assuring correct flexibility and safety. A wide range of radiators allows you to perform any kind of application.

A. *Conical radiator diam. 170 mm*
B. *Radiator 100 x 120 mm*
C. *Radiator 170 x 120 mm*
D. *Radiator 250 x 120 mm*
E. *Radiator 470 x 120 mm*
F. *Large field radiator*





TECHNICAL FEATURES

Frequency: 2450 MHz

Emission modes: continuous and pulsed

Intensity: 250 (continuous); 1600 W (pulsed)

Modality pulsed: 25 ÷ 50% ÷ 75%
PPS 1/4, 2/4, 3/4, 4/4

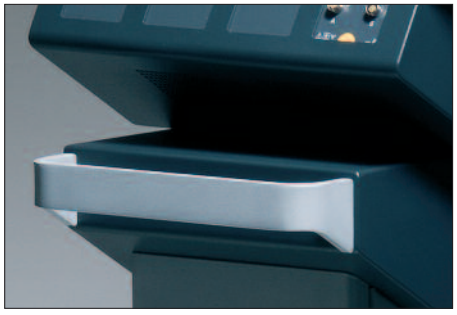
Display: Colored touch-screen

Pre-set programs with body pictures

Free Memories for customized protocols

Therapeutic objectives







Against pain and inflammation

Continuous Emission

It is suggest for using the max output power, reducing application time, getting warm effects over the affected area. Also, it is useful to use continuous emission mode while automatic scanning or static emission modes are performed over a large part of the body.
Operator may adjust intensity from the lowest level to the highest level, both before starting treatment that during treatment, just in order to adapt intensity to the real feedback of the patient.

Pulsed emission

Pulsed emission or interrupted emission mode is performed for reducing thermal effects over the different cellular layers and delivering high energy power.
In this regard, some clinical evidences show that the pulse duration should be at least 100 ms for being capable to provoke muscle bio-stimulation.

Super Pulsed and Trigger Points

Treatment of the trigger points is useful while a painful area is advisable, generally over small areas of the body. Trigger points are available over the muscles, mainly over the body of the muscle. Usually, it is used super pulsed emission mode for treating trigger points, by transferring laser energy over each point for a short application time, in order to avoid dangerous energy density.

