

Magneto therapy



Introduction to Magneto therapy

Magneto therapy equipment generates a low frequency magnetic field (adjustable between 1 and 100 Hz) with an intensity up to 100 Gauss per individual output, which generates beneficial effects, especially in regenerating tissue and bone tissue. The biological action of the magnetic fields:

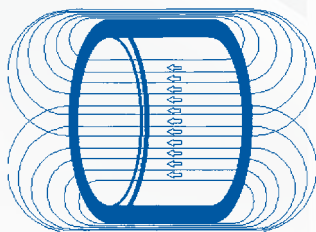
- Anti inflammatory and anti edemigena
- Analgesic action
- Stimulating action for tissue reparation

Other applications

- Skin wounds / ulcers
- Infections/Inflammations
- Muscle spasms / circulatory alterations
- Arthrosis, Rheumatism
- Stimulation of the hormonal and lymphatic system

Principal indications

- **Recent fractures that are slow to consolidate:** The magnetic fields stimulate osteogenetic activity at the fracture fissure, speeding up consolidation times for fractures in a very high percentage of cases. The process of healing bone discontinuity occurs by inducing a piezo-electrical effect in the connecting structures, and improving local circulatory conditions.
- **Pseudarthrosis:** It has been shown that magnetic fields are effective in treating pseudarthrosis.
- **Sudeck's disease and Osteoporosis:** Magneto therapy has been found to be effective in 80% of cases of Sudeck's disease and 70% of osteoporosis cases.
- **Inflammatory and degenerative arthropathy:** Magneto therapy is indicated for treating both inflammatory and degenerative type arthropathy. Positive results have been achieved with rheumatoid arthritis localized in the hands and knees, in spondylitis ankylopoietica, gonarthrosis, and lumbar arthrosis.
- **Obliterating arteriopathy:** Magnetic fields are effective in vascular pathologies, thanks to their effect on blood flow and micro circulation.
- **Decubitus wounds:** The biostimulating effect justifies the use of magneto therapy in this pathology. Very long treatments are required.
- **Psoriasis:** Psoriasis responds positively to this therapy in 60% of cases.



Magnetic Field Concentrator is an exclusively patented innovation who drastically reduces the electromagnetic contamination generated by solenoids for magnetic therapy – an appreciable improvement in both quality and safety in the workplace. The instrumental measurements showed that using the MFC patent the electromagnetic pollution of the surrounding space is reduced by more than 85%.

ACCESSORIES

2



EL0044 MAGNETO THERAPY COUCH

The specific treatment couch is provided without solenoids. Dimensions: 65 x 200 x H 67 cm; Weight: 40 kg



EL0045 SOLENOID 22

Solenoid to be used only with the specific treatment couch for magneto therapy – code EL0044. Dimensions: diam. 60 x 22 cm

EL0046 SOLENOID 36

Solenoid to be used only with the specific treatment couch for magneto therapy – code EL0044. Dimensions: diam. 60 x 36 cm



EL0047 LOCAL PADS

Twin pads for localised treatments. Can be used in paired mode to treat bigger areas, or in counteracting mode to concentrate the magnetic induction within a limited area. Dimensions 18 x 9 x 3,5 cm



EL0048 PORTABLE SOLENOID 30

The solenoid can be used to treat lower or upper limbs. The cylinder is portable and can not be fixed with the magneto therapy couch. Dimensions: diam. 30 x Depth 26 cm



EL0049 PORTABLE SOLENOID 50

The solenoid can be used to treat lower or upper limbs. The cylinder is portable and can not be fixed with the magneto therapy couch. Dimensions: diam. 50 x Depth 36 cm



EL0001 PERSONAL SMART CARD

It's possible to save customized treatments based on specific setting of parameters. Set of 10 pieces.



EL0016 CARRY CASE

Universal carry case for transport of portable unit. That's available for all Chinesport electro-medical equipment of the Excellent, Plus and Basic lines.



EL12003 TROLLEY

Trolley with tabletop and possibility of fixing non wheeled electromedical equipment and the arms.

Magneto therapy

EL12064 MAGNETO 2

The device allows to control the two output channels independently while also allowing to enable them simultaneously in "total body" treatments, at the operator's discretion.

EL12065 MAGNETO 4

It allows to control all four output channels independently. For specific uses, more channels can be enabled sequentially at the operator's discretion. A SYNC configuration is also available that allows to enable all four channels simultaneously.



Distinctive elements

- Exclusive MFC Solenoid Patent (magnetic induction emitted outside the solenoid is drastically reduced, concentrating the magnetic force lines within the solenoid itself, thus affecting only the patient and not the operator).
- Easy to use: user friendly interface.
- Up to 100 therapeutic suggestions.
- Adjustable power up to 100 Gauss per each channel.
- Multilanguage software.
- Smart Card included.



TECHNICAL FEATURES

Mains power supply:		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Maximum Absorbed power:	Magneto 2	450 VA
	Magneto 4	900 VA
LCD display:		B/W 320 x 240 pixel
Programmable treatment time:		Up to 60 minutes
Duty Cycle adjustable:		(10÷100) %
Programmable treatment frequency:		(1÷100) Hz
Electrical insulation class EN 60601-1 standard:		I / BF
Device class 93/42/CEE directive:		II A
Degree of protection against the input of liquids UNI EN 60601-1:		IPX0
Maximum induction:		100 Gauss ± 20%
Output channels	Magneto 2	2 independent
	Magneto 4	4 independent
Stored protocols:		50
Storable protocols in the smart-card:		200
Storable protocols in the user memory:		200
Dimensions:		39 x 13 x 32 cm
Weight:		3,9 Kg

Standard Accessories

	Q.TY
Power supply cable	1
Fuses	2
Manual of therapies	1
Magnetic test ring	1
Smart Card	1

Optional Accessories

EL0001	PERSONAL SMART CARD
EL0016	CARRY CASE
EL0044	MAGNETIC THERAPY COUCH
EL0045	SOLENOID 22
EL0046	SOLENOID 36
EL0047	LOCAL PADS
EL0048	SHIELDED SOLENOID 30
EL0049	SHIELDED SOLENOID 50
EL12003	TROLLEY



EXAMPLE N. 1

The configuration shown is the combination of the following items:

EL12064	– MAGNETO 2	1 unit
EL0044	– MAGNETO THERAPY COUCH	2 pieces
EL0046	– SOLENOID 36	2 pieces

EXAMPLE N. 2

The configuration shown is the combination of the following items:

EL12064	– MAGNETO 2	1 unit
EL0044	– MAGNETO THERAPY COUCH	1 piece
EL0045	– SOLENOID 22	1 piece
EL0046	– SOLENOID 36	1 piece