MAGNETOTHERAPY

MAGNETOMED



EME® ITALY physio

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MAGNETOMED

Targeted therapy for joint, muscle and bone wellness

The 100 Gauss magnetotherapy device is a medical device utilizing low-frequency Pulsed Electromagnetic Fields (PEMF), designed for rehabilitation, anti-inflammatory, and pain-relieving treatments.
It is indicated for both professional outpatient use and controlled home use, ensuring maximum therapeutic efficacy and patient safety.

OPERATING PRINCIPLE

Magnetotherapy uses pulsed magnetic fields at variable frequencies (1–100 Hz) and intensities up to 100 Gauss per channel, to stimulate cellular activity and promote tissue regeneration. The magnetic action induces a microcurrent at the intracellular level, improving ionic exchange and oxygen availability in the tissues.

MAIN THERAPEUTIC EFFECTS

- **Anti-inflammatory action:** reduces oedema and swelling in soft tissues.
- **Analgesic effect:** alleviates acute and chronic pain.
- **Osteogenetic action:** accelerates bone consolidation in fractures and delayed calcification.
- **Vascular stimulation:** improves circulatory flow and peripheral oxygenation.
- **Metabolic activation:** promotes cellular recovery and healing.

FIELDS OF APPLICATION

- Osteoporosis and osteopenia
- Delayed bone consolidation and pseudoarthrosis
- Cervical, knee, hip, and shoulder arthrosis (or osteoarthritis)
- LBP, sciatica and vertebral syndromes
- Post-traumatic or post-surgical edema

ADVANTAGES FOR THE OPERATOR

- **Independent Operation**
- **Management of two or more simultaneous body areas**
- **Automatic programming** of the therapeutic cycle
- **Electronic monitoring** of the delivered power
- Possibility **to store personalized protocols**
- **Compatibility** with a wide range of therapeutic accessories

TWO AVAILABLE MODELS

- **MAGNETOMED 7200** with two independent channels
- **MAGNETOMED 8400** with four independent channels

MAGNETOMED 7200



MAGNETOMED 8400



OPTIONAL ACCESSORIES
choice available between:

PORTABLE CYLINDER



Ø 30cm - Ø 60cm

MFC PATENT

The solenoids feature the **exclusive MFC patent**, which drastically reduces the magnetic induction produced externally, concentrating the lines of force within the solenoids, thereby affecting only the patient and not the operator.

1-CYLINDER BED



2-CYLINDERS BED



TROLLEY



APPLICATORS



TECHNICAL FEATURES		
Mains Power Supply		230 Vac, 50-60 Hz, ±10%
Maximum Absorbed Power	**MAGNETOMED 8400**	900 VA
	MAGNETOMED 7200	450 VA
Double protection fuse (T)	**MAGNETOMED 8400**	6.3 A - T - 5 x 20 mm for 230Vac power supplies
	MAGNETOMED 7200	3.15 A - T - 5 x 20 mm for 230Vac power supplies
Backlit LCD display, for viewing and control of operating parameters		5.7” color graphic display, 320 x 240 pixels, touch screen + encoder
Programmable treatment time		up to 99 minutes
Programmable treatment frequency		(1 - 100)Hz
Adjustable Duty Cycle		(10÷100) %
Electrical insulation class / applied parts according to standard EN 60601-1		I / BF
Device class according to directive 93/42/EEC		II A
Degree of protection against ingress of liquids according to standard UNI EN 60601-1		IPX0
Maximum induction		100 Gauss ± 20%
Output channels	**MAGNETOMED 8400**	4 independent
	MAGNETOMED 7200	2 independent
Protocols storable in the internal memory		200
Magnetomed 8000 Series: wheeled sheet metal enclosure, external dimensions (W x H x D)	**MAGNETOMED 8400**	39 x H89 x 30 cm
Magnetomed 7000 Series: desktop plastic enclosure, external dimensions (W x H x D)	**MAGNETOMED 7200**	39 x H14 x 30 cm
Device weight	**MAGNETOMED 8400**	23.5 Kg
	MAGNETOMED 7200	3.9 Kg
Operating Conditions	**Ambient Temperature**	(+10 : +40) °C
	Relative Humidity	(10 : 80) % non-condensing
Storage/Transport Conditions	**Ambient Temperature**	(-40 : +70) °C
	Relative Humidity	(10 : 100) % non-condensing
	Atmospheric Pressure	(500 : 1060) hPa

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