

KAVITRON™

CAVITATION SYSTEM

SAFE CAVITATION FOR AESTHETIC AND FUNCTIONAL
IMPROVEMENT OF YOUR SILHOUETTE



LOCALISED FAT
CELLULITE TREATMENT

*Trolley optional
on request*

KAVITRON treatment

KAVITRON is a system for men and women for the treatment of localised fat, of cellulite blemishes and for body reshaping. KAVITRON performs cavitation thanks to the use of low frequency (34 KHz) sonic waves and the ideal combination of power and emission time.

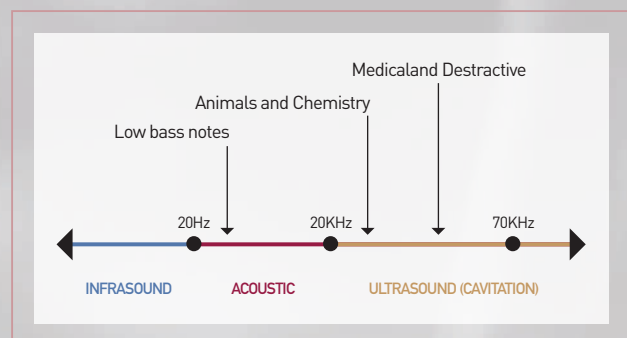


Treatment with KAVITRON is performed in a relatively short time, 15/30 minutes, and can extend during that time also to other areas such as hips, buttocks, arms, thighs, etc. Operators will find it easy to apply and is painless for patients, who can immediately return to normal daily activities after treatment. The KAVITRON transducer handpiece supplies focused ultrasound energy to the subcutaneous fat panniculus and is developed to only combat fat cells in the treatment area without touching any surrounding tissue such as blood vessels, nerves or connective tissue. Treatment breaks down the fat cell membrane and the fat contained is conveyed with intracellular fluids to then be transported through the vascular and lymphatic system and then eliminated.

Ultrasound waves and cavitation

Cavitation equipment uses ultrasound waves, which are absorbed by tissues and converted into energy. Ultrasound waves are mechanical sound waves. As opposed to true acoustic phenomena, frequencies which characterize ultrasound waves exceed those which can be heard by the human ear. The frequency normally used to discriminate sound waves from ultrasonic waves is set at 20 kHz. The same term "ultrasound" clearly indicates that which goes beyond ("ultra") sound, identifying only the physically audible phenomenon of sound.

In most parts of tissue, though, ultrasound absorption (called attenuation) increases with increases in frequency and therefore sonic energy is attenuated naturally by the human body. Therefore, a sonic wave with a frequency of approximately 30-34 KHz penetrates deeper than a signal of 3 MHz (3000 KHz) due to the lower attenuation of the tissue.



Approximate frequencies correspond to ultrasound waves on the basis of their field of application.

Cavitation (formation of gaseous cavities inside a liquid) is a phenomenon which consists in the formation of areas of vapour inside a liquid, which then collapse and implode. This happens when a liquid undergoes ultrasonic energy (frequencies from 20 KHz to 70 KHz): the sound wave passes through a liquid, generates expansion waves (negative pressure) and compression waves (positive pressure). If the intensity of the ultrasound wave is high enough, it causes the formation, growth and rapid decompression of vapour bubbles.

Key KAVITRON benefits

ADVANCED TECHNOLOGY

- KAVITRON generated ultrasound waves are low frequency (34 KHz) and therefore able to penetrate deep into tissue and reach the adipose layer.
- 2 different handpieces emit low frequency focused ultrasonic waves: one is a classic flat handpiece and the other is a focused, with the capability of concentrating higher energy levels on a specific point.

COMFORT

- Painless localised application
- No post-treatment redness or irritation

VISIBLE RESULTS

- Immediate lipoclastic action (breakdown of adipose tissue)
- Reduction of localised fat
- Silhouette reshaping while toning and “orange-peel” reduction
- Peripheral circulation reactivation and improved lymphatic drainage

EASY OPERATOR USE

- The practical touch screen is a convenient user interface for preset programme access for easy use. Online user manual available for reference at any time.



Clinic Results



TECHNICAL SPECIFICATIONS

• Supply voltage	230/100 Vac 50 / 60 Hz
• Absorbed Power	60 Watt
• Closed device dimensions	660x430x320(LxPxH)
• Open device dimensions	660x430x520(LxPxH)
• Weight	Approx. 8 Kg
• Classification	Class 1, Type BF (Ref: CEI 62-39)
• Guarantee	2 years
• Transducer power	50 Wpp
• Carrier Frequency	34 KHz +/- 2KHz
• Sweep Frequency	+/- 1.600 Hz
• Emission modes	Continuous/Modulated
• Transducer Dimensions	50mm



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