



DIGITAL VIBRO-LIPO-ESCUPTOR MODEL VLE 0699-D



INTRODUCTION :

Vibroliposculpture is a technology that is here to stay, being our VIBRO-LIPO-SCULTOR VLE 0699 - D R&V Medical Equipments, a state-of-the-art equipment created since more than 20 years ago (June 1.999) to facilitate the liposuction procedure, reducing on the one hand in a huge way surgeon ' s physical effort, and on the other postsurgical ecchymosis formation while reducing surgical time.

This equipment, designed with cutting edge technology, incorporates a high performance and powerful last generation micro motor, coupled to an efficient torque multiplier micro-mechanical system, that transforms the circular movement on axial reciprocating, which allows it to deliver an excellent response in a vibrations range between 1500 and 2000 VPM (vibrations per minute), in a smooth and very quiet way, being the 1500 VPM speed equivalent to a 25 Hz frequency which is into the range of frequencies of the so called infrasonic liposuction.

This micro motor is included in an ergonomic and ultra- lightweight handpiece, coupled to an interface for the easy, fast and safe liposuction cannulas connection, allowing surgeon to carry out this procedure in a smooth and relaxed way.

This handpiece is connected to a digital control unit with a cutting edge technology micro-controlled system, which incorporates a 4.3" high-quality and excellent visibility Display with "Touch Screen" function, that provides information and control over the by the user programmed variables and the system response.

The control system permanently monitors the micromotor rotation speed, and by using a sophisticated PID (Proportional Integral Derivative) control algorithm, regulates it with great precision, keeping it constant, regardless of mechanical load variations, generated by different subcutaneous tissue densities, which guarantees great efficiency in the extracting of adipose tissue process.

These extraordinary characteristics added to a sophisticated design in ergonomics and operability, make the VIBRO-LIPO-ESCUPTOR VLE 0699 - D an excellent option, for the realization and development of highly demanding liposuction procedures, posed by the current reality.



DIGITAL VIBRO-LIPO-ESCUPTOR MODEL VLE 0699-D

- * STATE OF THE ART ELECTRONIC CONTROLLED VIBROTOTRY CANNULA SYSTEM.
- * EASIES SURGICAL PROCEDURE LESSENING SURGEON'S PHYSICAL EFFORT.
- * REDUCES SURGICAL TIME LOWERING COSTS.
- * DIMINISHES BLEEDING AND ECHYMOSIS FORMATION.
- * PATIENT RECOVERING SHORTER TIME.
- * IDEAL COMPLEMENT WITH IFP 2000-D INFILTRATION PUMP, VAC 1288 - R3 DIGITAL HIGH PERFORMANCE LIPOSUCTION UNIT AND VAC 1288-PC HD LIPO - SCALE FOR HIGH DEFINITION LIPOSUCTION SURGERY, CONFORMING THE VIBRO LIPO SET PC.



TECHNICAL FEATURES:

HANDPIECE:

- ✓ Ergonomic lightweight handle.
- ✓ High power with very low vibration / heat transmission, and noise factors which makes it almost totally silent.
- ✓ Variable speed range adjustable between 1500 and 2000 VPM (vibrations per minute), increasing in that way the efficiency of the system to extract the fat from patient body.
- ✓ Supports for mounting suction hose.
- ✓ Cannula mounting Interface with liposuction cannula and suction hose connection ports.

CONTROLLER:

- ✓ Digital electronic hand piece engine control, with high precision PID (Proportional Integral Derivative) algorithm, which allows to work with a constant speed independently from mechanical load variations, due to different subcutaneous tissue densities.
- ✓ 4,3" screen with "Touch Screen" function that controls and provides information on the programmed speed in a range of 1500 to 2000 VPM (Vibrations / Minute), manual control of the handpiece motor, foot switch operation mode (DIRECT / STORED), alarm output mode (VOICE / TONE), current status of the handpiece (VIBRATING / STOP) and current status of the alarm system: (HANDPIECE DISCONNECTED / OVERLOAD).
- ✓ Delivery of auditive information in two possible modes: (VOIECE / TONE).
- ✓ Operating voltage: 110 - 220 Volts. A.C. 50 / 60 Hz.