

# Vibrolith PLUS<sup>®</sup>

High - Performance Ultrasonic / Pneumatic Lithotripter with  
Integrated Suction Pump

**ELMED**  
Lithotripsy Systems

# Vibrolith PLUS



## ■ Introducing the World's Most Powerful Intracorporeal Lithotripter

The Vibrolith Plus is a state of the art high performance ultrasonic/pneumatic combination lithotripter that is technologically light years ahead of the competition. With features such as a multi-microprocessor controlled ultrasonic handpiece that ensures maximum power and performance without worries of overheating, a powerful pneumatic handpiece that fractures even the hardest stone, and an industry first: a built in suction pump that provides clear visualization during endoscopic procedures with superior suction of stone fragments, the Vibrolith Plus makes all other lithotripters obsolete.

The Vibrolith Plus is effective in treating even the hardest renal, ureteral, and bladder stones.



## New Generation Ultrasonic Handpiece

The Vibrolith Plus features a cutting-edge multi-microprocessor design that controls the ultrasonic energy for maximum power and performance. This intelligent design provides real time feedback that prevents overheating of the ultrasonic handpiece and probe that is common with other lithotripters.

## Unique Multi-Mode Coupling Device

The Vibrolith Plus features a unique coupling device that combines both ultrasonic and pneumatic hand pieces for use in 3 distinct operating modes: Pneumatic, Ultrasonic and Combination mode. Unlike competing lithotripters, the specially designed coupler eliminates the need to adjust the length of the pneumatic probe prior to use in the combination mode.

## No More Clamping and Unclamping of Suction During PCNL Procedures!

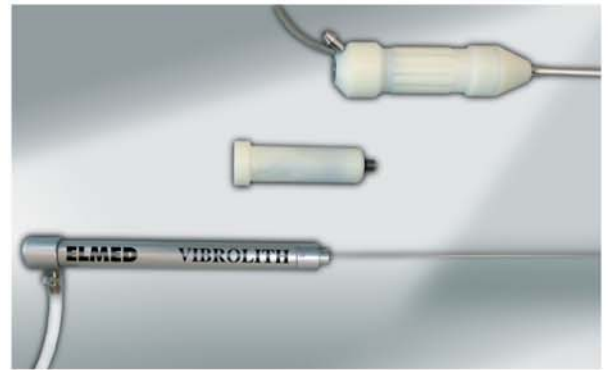
The Vibrolith Plus features an Industry first: an integrated peristaltic suction pump that provides clear visualization during endoscopic procedures and superior suction of stone particles. The Vibrolith Plus provides pump control via the surgeon-controlled 3-mode foot pedal which eliminates the need to repeatedly clamp and unclamp suction lines to control flow. Additionally, stone fragments are collected in a specially-designed sterile stone collector that can be used to transport stone fragments for analysis.

## Wide Range of Probes

A large variety of both pneumatic and ultrasound probes are available for use with rigid, semi-rigid and flexible endoscopes.

## Easy to Use Soft Keys and Display

The Vibrolith Plus is a user-friendly device that incorporates a hi-tech graphical LCD interface and soft keys instead of bulky switches and knobs that can be difficult to use and clean after a procedure.



**Powerful,  
User-Friendly,  
Maintenance Free  
and Cost Effective!**

Vibrolith PLUS

# Vibrolith PLUS



**Tissue Friendly,  
Precise  
Safe, Powerful,  
Effective and Quiet**

Distributed By

## Main Specifications

### VIBROLITH PLUS

#### Pneumatic Section:

Supply Pressure : Compressed Medical Air (3.5 – 6.5 bar)  
Pulse Mode : Single or multiple pulses  
Pulse Frequency : 1-12 Hz increments  
Applied Energy : Adjustable  
Energy Transmission : Mechanical  
Pneumatic Probes :

PN-081 - Ø0.8 mm / 2.4 Fr. - L: 640 mm

PN-104 - Ø1.0 mm / 3.0 Fr. - L: 640 mm

PN-123 - Ø1.2 mm / 3.6 Fr. - L: 640 mm

PN-153 - Ø1.5 mm / 4.5 Fr. - L: 640 mm

PN-204 - Ø2.0 mm / 6.0 Fr. - L: 640 mm

Different lengths and diameters available for rigid and flexible endoscopes.

Handpiece Sterilization: Steam, Chemical or Gas Sterilization

#### Ultrasonic Section:

Power : 150 W  
Applied Energy : Adjustable  
Ultrasonic Probes :

US-151-Ø1.5 mm / 4.5 Fr. L: 573 mm

US-153-Ø1.5 mm / 4.5 Fr. L: 380 mm

US-333-Ø3.3 mm / 9.9 Fr. L: 330 mm

US-382-Ø3.8 mm / 11.4 Fr. L: 403 mm

Combined Probes :

CPN-084-Ø0.8 mm / 2.4 Fr. L: 773 mm (for US-151)

CPN-085-Ø0.8 mm / 2.4 Fr. L: 580 mm (for US-153)

CPN-101-Ø1.0 mm / 3.0 Fr. L: 530 mm (for US-333)

CPN-122-Ø1.2 mm / 3.6 Fr. L: 603 mm (for US-382)

Different lengths and diameters available

Handpiece Sterilization: Steam, Chemical or Gas Sterilization

Power Supply : 115/230 V AC , 60/50 Hz  
Electrical Safety : According to EN 60601-1  
Classification : Class IIb, 93/42/EEC  
Class I Type B, EN 60601-1

**ELMED**

**CE**  
1984

Electronics & Medical Industry & Trade Inc.

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