

# **VIBROLITH®**



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Since only compressed air pulses is the source of the impact effect, no heat is exposed. Therefore, there is neither risk of any thermal injury on tissue nor destruction on optics of endoscopy.

no effect on tissue.

There is no electrically driven operation except the control box. So that, any electrical hazard on either operator or patient prevented by means of electrical isolation of whole system. Both hand piece and foot pedal are operated by air pressure.

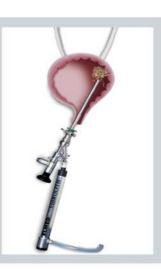


Vibrolith for successful Percutaneous Nephrolithotomy (PNL) for specially staghorn stones and renal pelvic or calix stones.

Vibrolith for effective Uretero-renoscopy (URS) treatment of ureteral stones Vibrolith for quick endoscopic treatment of bladder stones.









#### **EFFECTIVE**

VIBROLITH guarantees user satisfaction in application to all kind of renal, ureteral and bladder stones. With VIBROLITH, treatment is of short duration with a high success rate regardless of the composition and the location of the calculi. The electro-pneumatic energy by direct contact with the probes provides maximum efficiency for the disintegration of calculi. VIBROLITH is highly effective for the Staghorn stones, renal pelvic and calix stones in the use of PNL. VIBROLITH provides an easier treatment of stones in entire uretery with URS. No matter the size of the calculi, VIBROLITH achieves quick and powerful endoscopic treatment for bladder stones.

### SIMPLE

VIBROLITH has a "simple to use" nature. The operator can easily select the pulse mode as single or continuous, by simply pressing the touch-key panel. The total number of pulses applied can be monitored on a digital counter. Operation pressure can be adjusted easily and independently of the pressure supply, by turning the knob of the regulator on the control box.

### SUCTION ADAPTER (Optional)

Specially designed Suction Adapter of VIBROLITH enables easier suction of stone particles and clear vision with the manual flow control.

#### COMPATIBLE

VIBROLITH is compatible to work with a central air supply or separate air compressor. With its original carrying case, it is simple to carry and ready to use by the operator in any desired place. A cart for the applications with a separate air compressor can be ordered optionally. VIBROLITH provides a wide range of probes for different kinds of applications and compatible to work with different kinds of ureteroscopes and cystoscopes.

### ECONOMICAL

VIBROLITH, with its simple and smart nature, requires low-almost no-maintenance in the future. Due to reusable and sterilizable steell probes and no consumable requirement, a very low operation cost is appeared.

Simple, Powerful, Mobile, Maintenance Free, Cost Effective









### Tissue Friendly,

**Precise** 

Safe, Powerful,

**Effective and Quiet** 

### **Main Specifications**

### VIBROLITH

Operating Pressure: 0.5-4 bar continuously adjustable
Supply Pressure: 3.5-6.5 bar medical compressed air
Pulse Mode: Single or multiple pulses digitally

selected pulse rate (50-720 pulse/min)

Power supply : 115 / 230 V AC, 60 / 50 Hz Isolation : Internally transformer isolation

Dimensions

Main Unit : 305 x 254 x 113 mm Hand Piece : 195 x 20 mm

Probes : 0.8 mm, 1.0 mm, 1.2 mm, 1.5 mm, 2.0 mm

Number and length of the probes is adjustable

depending on the user's ureteroscope

Weight : 6.5 kg

Electrical Safety : According to EN 60601-1 Class I, Type B

According to EN 93/42/MDD, Class IIb

Sterilization

Hand Piece : Chemical or Gas sterilization

Probe : Autoclave, Chemical or Gas sterilization

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