



**ELMED™**  
MEDICAL SYSTEMS

# VIBROLITH®

Pneumatic Lithotripter

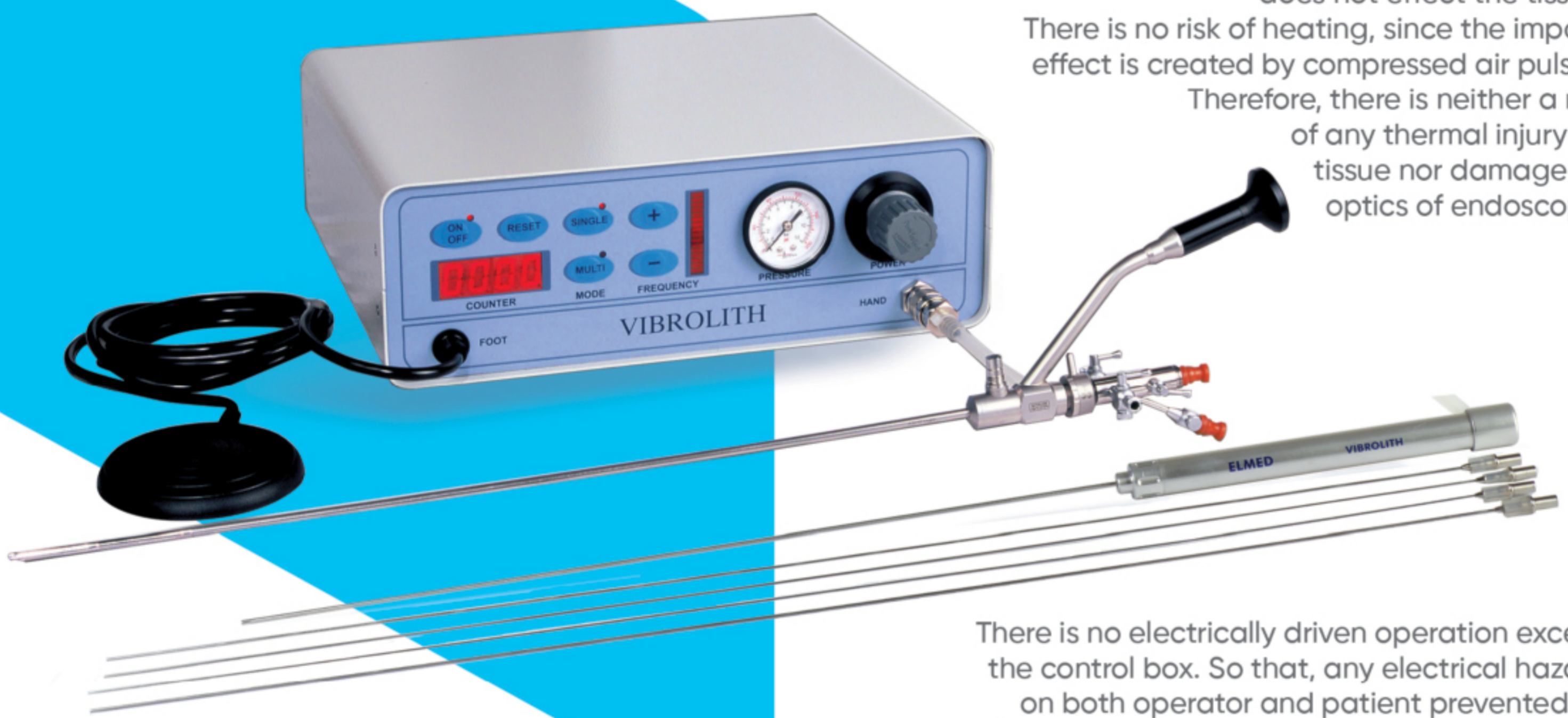
# VIBROLITH®

## SAFE

VIBROLITH is an electro-pneumatic lithotripter. It works under the principle of collision of a bullet, accelerated by compressed air with a steel probe. This probe transmits the impact energy to calculi. By this, electro-pneumatic ballistic energy only disintegrates calculi and does not affect the tissue.

There is no risk of heating, since the impact effect is created by compressed air pulses.

Therefore, there is neither a risk of any thermal injury on tissue nor damage on optics of endoscope.



There is no electrically driven operation except the control box. So that, any electrical hazard on both operator and patient is prevented by electrical isolation of the whole system. Both the hand piece and foot pedal are operated by air pressure. The air tube of the pneumatic handpiece is designed to prevent unintentional ejection of the projectile from the tube.



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



Vibrolith for effective Uretero-rensoscopy (URS) treatment of ureteral stones



Vibrolith for quick endoscopic treatment of bladder stones.

## EFFECTIVE

VIBROLITH guarantees user satisfaction in application of all kind of renal, ureteral and bladder stones. With VIBROLITH, treatment is quick and swift with a high success rate, regardless of the composition and the location of the calculi. The electro-pneumatic energy by direct contact with probes provides maximum efficiency for the disintegration of calculi. VIBROLITH is highly effective for Staghorn stones, renal pelvic and calix stones in the use of PNL. VIBROLITH provides an easier treatment of stones in entire ureter with URS. Regardless 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 by turning the knob of the regulator on the control box, independent of the pressure supply.

## SUCTION ADAPTER (Optional)

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

## COMPATIBLE

VIBROLITH is compatible to work with a central air supply or separate air compressor. With its original carrying case, it is easy 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 cost. Thanks to reusable and sterilizable steel probes and since no consumables are required for the device, Operation cost is very low.

**Simple, Powerful, Mobile,  
Maintenance Free, Cost Effective**

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## Pneumatic Lithotripter

TECHNICAL SPESIFICATIONS	
VIBROLITH	
Operating Pressure	0-4 Bar, continuously adjustable
Supply Pressure	3.5-6.5 Bar medikal compressed air
Pulse Mode	Sinle and multiple options. 50-600 pulse/min can digitally selected. 115 / 230 V AC, 60 / 50 Hz
Power supply	115/230 V AC , 60/50 HZ
Isolation	Internal isolation transformer
<b>Dimensions</b>	
Main Unit	305x255x117mm
Hand Piece	195x20mm
Probes	(Standart set) 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm Probes with different diameters between 0.6mm-3.0mm are available upon request. The probe length can be adjusted according to the user's endoscope length.
Weight	6.3 kg
<b>Sterilization</b>	
Hand Piece	Chemical or Gas sterilization
Probe	Autoclave, Chemical or Gas sterilization



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Elektronik ve Medikal San. ve Tic. A.Ş.

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

**CE**

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