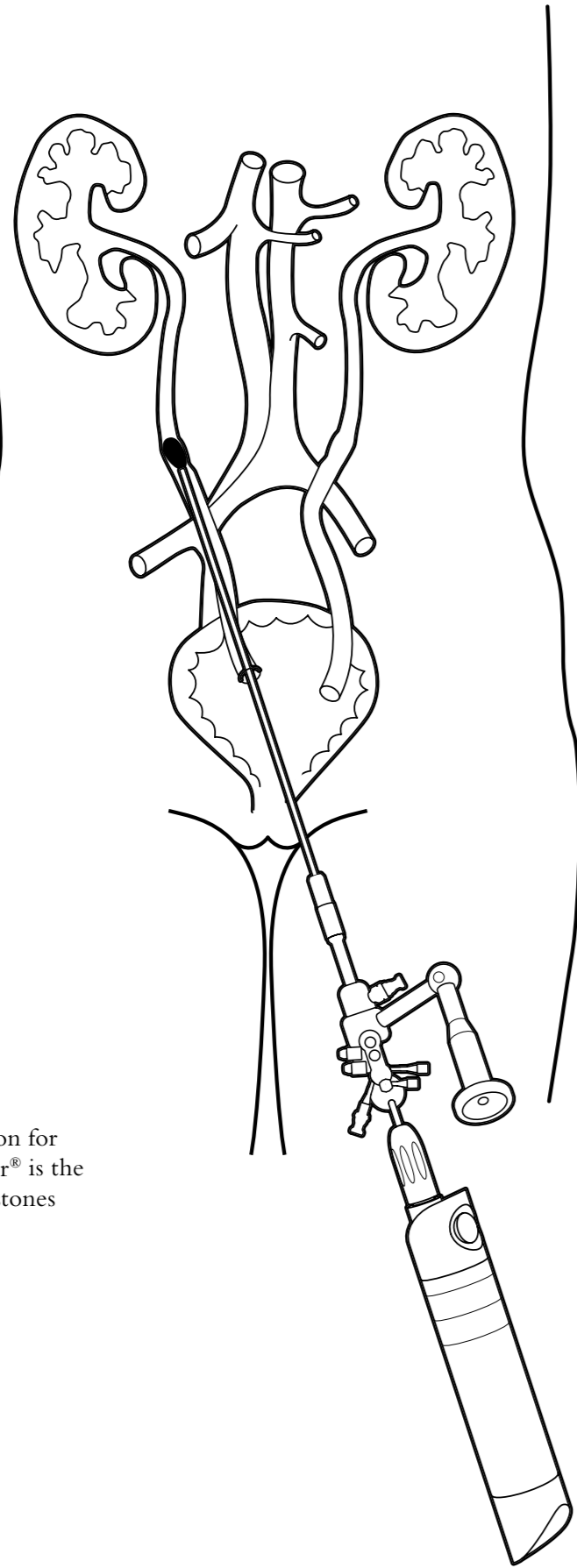


SWISS LITHOBREAKER®
PRIMARY INDICATION



> Primary indication for the Swiss LithoBreaker® is the treatment of ureteric stones

SWISS LITHOBREAKER®
HANDLING



**SWISS LITHOBREAKER® –
SIMPLE AND SAFE HANDLING –
NO ONGOING COSTS**

- > Safe insertion of the power pack – sterile and unsterile components separate
- > Sealed system – outer casing sterilized, power pack not sterilized
- > Outer casing can be steam sterilized



SWISS LITHOBREAKER® SYSTEM AND SYSTEM COMPONENTS

FT-206W	Swiss LithoBreaker®
EL-441	Power pack
AG-123A/A	End cap
EL-462	Silicone probe guide set (12 ×)
CA-244	AAA rechargeable batteries (4 ×)
EL-475	Probe cap for Ø 0.8–2 mm probes
EK-325	Battery charger
AD-701A	Power pack insertion funnel
→ INCLUDED SWISS LITHOCLAST® PROBES	
EL-044/A	Pneumatic probe Ø 2.0 × 425 mm (6.0 Fr.)
EL-045/A	Pneumatic probe Ø 1.0 × 605 mm (3.0 Fr.)
EL-046/A	Pneumatic probe Ø 0.8 × 605 mm (2.4 Fr.)
EL-058/A	Pneumatic probe Ø 1.6 × 605 mm (4.8 Fr.)
→ SWISS LITHOVAC® SUCTION SYSTEM (OPTIONAL)	
EL-182	Swiss LithoVac® 1v3
EL-237	Suction set
EL-219	Adjustment interface
BE-028	Silicone seals (20 ×)
EL-211	Suction probe Ø 4.0 × 355 mm (12.0 Fr.)
EL-212	Suction probe Ø 3.5 × 380 mm (12.0 Fr.)
EL-213	Suction probe Ø 1.6 × 595 mm (12.0 Fr.)
EL-080/A	Length-adapted pn. probe Ø 0.8 × 668 mm (2.4 Fr.)
EL-081/A	Length-adapted pn. probe Ø 1.6 × 453 mm (4.8 Fr.)

EMS-SWISSQUALITY.COM

For more information welcome@ems-ch.com

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SWISS LITHO-BREAKER®

**CORDLESS LITHOTRIPSY
→ THE HANDY WAY**



EMS⁺
ELECTRO MEDICAL SYSTEMS

CORDLESS, PORTABLE, HIGH IMPULSE CAPACITY →

NEW SWISS LITHOBREAKER® –
A HANDHELD DEVICE WITH THE
LITHOTRIPSY PERFORMANCE OF
THE CLASSIC SWISS LITHOCLAST®*

- ELECTROMECHANICAL DRIVE
- POWERFUL AND EFFICIENT
- CONTINUOUS IMPULSES
- EFFECTIVE TREATMENT
- MEETS HIGHEST STERILIZATION STANDARDS

* Based on energy output testing performed with 2/3.2 mm probe

> Mobile, stand-alone lithotripsy solution,
especially developed for the treatment of ureteric
stones – the vast majority of urinary stones.
The Swiss LithoBreaker® is fully compatible with
all common ureteroscopes



FOCUS ON URETERIC STONES

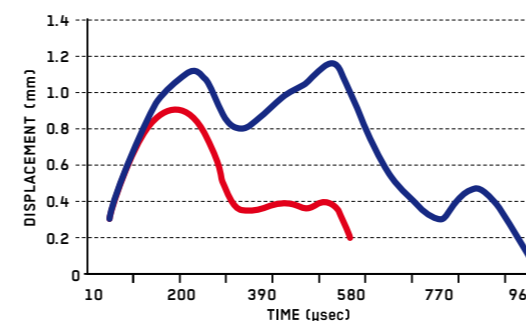
SWISS LITHOBREAKER® WITH INNOVATIVE
PROBE COUPLING REDUCES PUSH-BACK EFFECT
AND MINIMIZES STONE MIGRATION



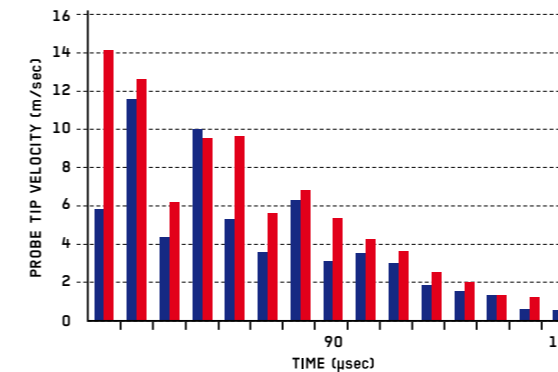
> Reduction of stone migration, increase of
probe velocity – higher fragmentation performance

SWISS LITHOBREAKER® WITH IMPROVED
SHOCK TRANSMISSION – A SMART SOLUTION
FAST AND EFFECTIVE

■ CONVENTIONAL SHOCK TRANSMISSION
■ LITHOBREAKER SHOCK TRANSMISSION



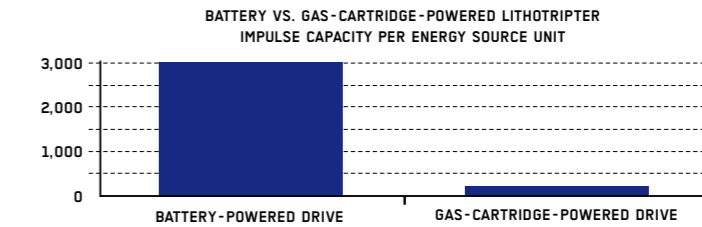
PROBE TIP VELOCITIES CONVENTIONAL
SHOCK TRANSMISSION VS. SWISS LITHOBREAKER®



> Stone propulsion by endoscopic lithotripsy – an important issue,
especially for treatment of mobile ureteric stones

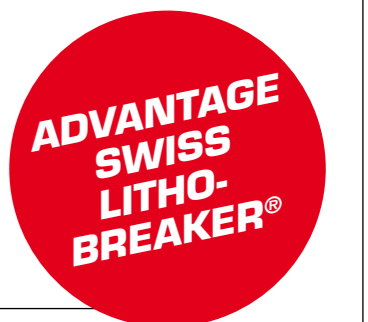
> Improved impulse transmission of the Swiss LithoBreaker®
reduces probe displacement – the propulsive effect and stone migration
are substantially reduced compared to conventional shock transmission

SWISS LITHOBREAKER® WITH CONSISTENT
POWER OUTPUT – HIGH EFFICIENCY
FOR CORDLESS, MOBILE LITHOTRIPSY



> The two different power systems on cordless
lithotripters do not deliver the same benefits

> The Swiss LithoBreaker®'s power is based on
standard batteries which last the distance –
superior to inconsistent gas cartridges



FEATURE	ELECTROMECHANICAL IMPULSE GENERATION	GAS-CARTRIDGE-POWERED IMPULSE GENERATION
OPERATING MODE	Single or continuous impulses at 3 Hz	Only single impulses every two second
IMPULSES PER ENERGY SOURCE CAPACITY	Up to 3,000 impulses	80–100 impulses
IMPULSE ENERGY	Consistent shot-to-shot energy	Energy is highly variable shot to shot and drops with decreasing cartridge pressure
RUNNING COSTS	Nil – rechargeable batteries provided	Gas cartridge not rechargeable – single use

SWISS LITHOBREAKER®
→ NEVER RUNS OUT OF GAS