

QUICK REFERENCE GUIDE

ShockPulse-SE Lithotripter

This setup guide is a summary of the ShockPulse-SE instructions for use (IFU). For detailed operating instructions, be sure to follow the instruction manual that was included with your device when purchased.

ShockPulse-SE

Integrating ultrasound and mechanical energies simultaneously from a single probe enables rapid fragmentation of all types of stones. Percutaneous nephrolithotomy (PCNL/PNL) using a lithotripter has become standard procedure in stone management.



Assembling

Step 1: Screw probe onto the transducer until loosely connected.



Step 2: Place the torque wrench on the probe flats and then turn in the direction of the arrow until the wrench "clicks" to ensure adequate coupling.



Step 3: Connect the nose cone to the transducer.



Suction Control Setup

Step 4: Ensure the hospital has an adequate suction source available for sufficient stone aspiration.



Step 5: Start with an OR vacuum pressure of **100 mmHg or even lower** to ensure patient safety. **Maximum pressure is 150 mmHg.**



Step 6: Connect sterile suction tubing to the transducer – **outer diameter 9 mm, inner diameter 6 mm.**



Note: Flow Control! – Always test the suction flow with sterile water before inserting the device into the patient.



Step 7: Adjust the suction control wheel so the marker is approximately at the halfway point of the suction indicator and make sure the hole isn't accidentally covered by your finger (causes full suction).



Activation Options

Hand Activation

Double Click = ON Single Click = OFF

- Standard Power “**S**” – Produces an energy level that keeps the probe in contact with smaller stone fragments, allowing greater fragmentation.
- High Power “**H**” – Produces maximum energy to fragment large stones.

Foot Switch

Black Pedal = Standard Power

Grey Pedal = High Power

For safety reasons, hand activation is disabled when the foot switch is connected.



Operation Tips and Tricks

- Probe tip should always be in endoscopic view.
- The ShockPulse-SE should be placed in light contact with the stone, with gentle tapping of the stone.
- It is not necessary to press down on the stone with a lot of pressure.
- Pressing harder on the probe will actually reduce drilling performance.



STEER WITH THE SCOPE NOT THE PROBE.



DO NOT BEND OR TORQUE TRANSDUCER OR PROBE.



Equipment Utilized

ShockPulse-SE Lithotripsy System

Catalogue No.	Description
EGSPL-SR	Generator (EGSPL-G)
	Transducer (EGSPL-T)
	Nose Cone (EGSPL-NC)
	Wrench (EGSPL-W)
	Cleaning Stylet – Large (EGSPL-CSL)

Sterile, Single Use – ShockPulse Lithotripsy Probes

Catalogue No.	Description	Length	Color	Probe Diameter	Application
EGSPL-PDBX376	ShockPulse Lithotripsy Probe, Sterile Single Use, (3/Box)	396 mm	Silver	3.76 mm (11.3 Fr)	PCNL / Bladder
EGSPL-PDBX340	ShockPulse Lithotripsy Probe, Sterile Single Use, (3/Box)	396 mm	Blue	3.40 mm (10.2 Fr)	PCNL / Bladder
EGSPL-PDBX183	ShockPulse Lithotripsy Probe, Sterile Single Use, (3/Box)	418 mm	Red	1.83 mm (5.5 Fr)	Mini PCNL
EGSPL-PDBX150	ShockPulse Lithotripsy Probe, Sterile Single Use, (3/Box)	564 mm	Green	1.50 mm (4.5 Fr)	URS
EGSPL-PDBX097	ShockPulse Lithotripsy Probe, Sterile Single Use, (3/Box)	578 mm	Gold	0.97 mm (2.91 Fr)	URS (no suction)

Reusable ShockPulse Lithotripsy Probes

Catalogue No.	Description	Length	Color	Probe Diameter	Application
EGSPL-PR376	ShockPulse Lithotripsy Probe, Reusable, (1/ea)	396 mm	Silver	3.76 mm (11.3 Fr)	PCNL / Bladder
EGSPL-PR340	ShockPulse Lithotripsy Probe, Reusable, (1/ea)	396 mm	Blue	3.40 mm (10.2 Fr)	PCNL / Bladder
EGSPL-PR183	ShockPulse Lithotripsy Probe, Reusable, (1/ea)	418 mm	Red	1.83 mm (5.5 Fr)	Mini PCNL
EGSPL-PR150	ShockPulse Lithotripsy Probe, Reusable, (1/ea)	564 mm	Green	1.50 mm (4.5 Fr)	URS
EGSPL-PR097	ShockPulse Lithotripsy Probe, Reusable, (1/ea)	578 mm	Gold	0.97 mm (2.91 Fr)	URS (no suction)

ShockPulse-SE Lithotripsy Accessories

Catalogue No.	Description
EGSPL-T	Transducer
EGSPL-NC	Nose Cone
EGSPL-W	Wrench
EGSPL-CSL	Cleaning Stylet – Large
EGSPL-FS	Foot Switch

For an additional transducer set the following accessories are needed: transducer, nose cone, wrench.

Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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