



OPTIMAL CONTROL BETTER PROTECTION

HEALTH HAZARDS OF ELECTROSURGERY

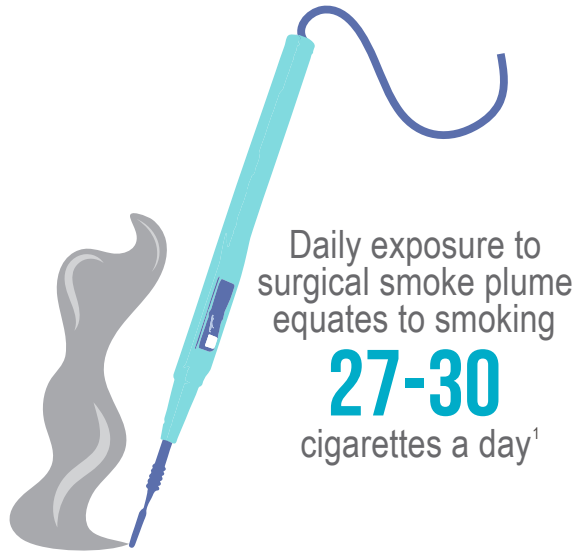


THE **Bovie** SMOKE EVACUATION SOLUTION

HEALTH HAZARDS OF SURGICAL SMOKE

THE FACTS

- **80%** of surgeries worldwide use electrosurgery
- Smoke plume is created in **95%** of these procedures



Daily exposure to surgical smoke plume equates to smoking
27-30
cigarettes a day¹



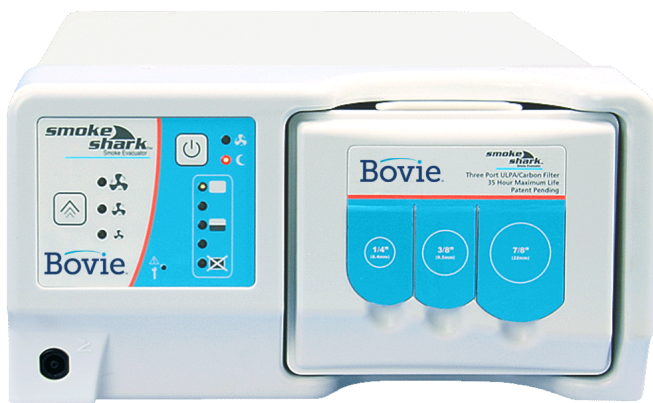
500,000
Healthcare workers exposed to surgical smoke plume annually²



Multiple commissions and associations have established guidelines for protecting O.R. staff. States have introduced and passed legislation to make surgical smoke evacuation mandatory and more are expected to follow.

THE BOVIE[®] SOLUTION

Bovie[®] Smoke Shark[®] II



- Light-weight, compact smoke evacuator allowing for ease of use, storage and stack-ability
- Quiet and effective smoke evacuation
- 3 fan speeds with filter tracking technology



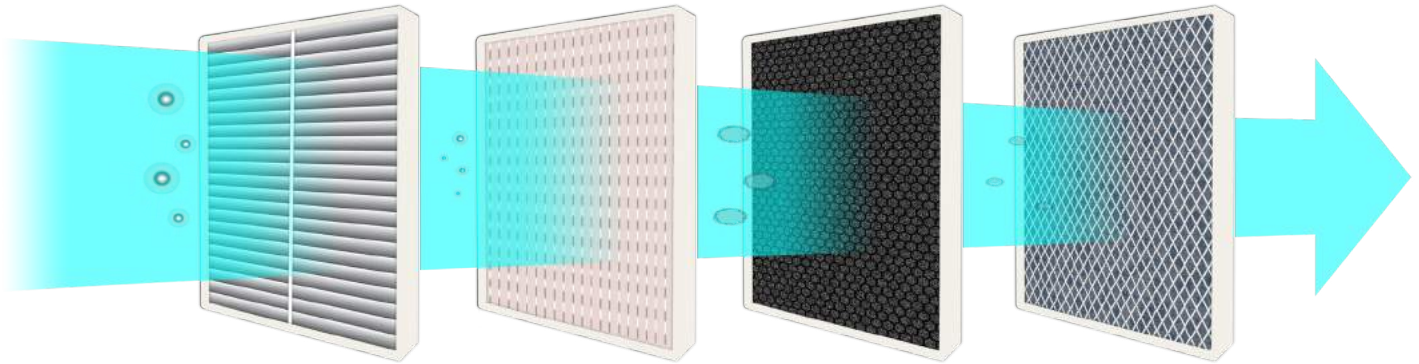
**Smoke Evacuator Pencil adapter is compatible with Bovie[®] and Olsen[®] Pencils*

THE BOVIE® SMOKE EVACUATION SOLUTION

4-Stage ULPA Filtration

99.999%

efficient in trapping 0.1-0.2 µm
particulates and micro-organisms



Up to 35-Hour Filter Life
3-Port Tubing Connection:
 $\frac{1}{4}$ " (6.4 mm), $\frac{3}{8}$ " (9.5 mm),
 $\frac{7}{8}$ " (22 mm) diameter



Smart Shark Activator
for prolonging filter life

Smoke Protection

- Protects OR staff from the risk of exposure to Biological, Physical and Chemical Hazards
- Combines powerful suction with optimal filtration

Compatibility

- Ultra-quiet design
- Lightweight and compact...designed to fit in any OR

Ease of Use

- Easy to set up and operate
- Filter life is automatically tracked on LED display

Economical

- Extensive life filter (SF35) offers up to 35 hours performance with 3 flow settings
- Smart Shark Remote Activator Device prolongs filter life by activating smoke evacuation only when pencil is in use

YOUR SMOKE EVACUATION PARTNER



Bovie® Smoke Shark® II System

Long-Life 35-hr Filter	Pneumatic Footswitch	Smoke Evacuator Pencil Adapter with 6' Tube	Smart Shark Remote Activator Device
			
SF35 (included)	FSSEP (included)	SEPAT*	SERS2*

* sold separately

Smoke Shark® II Technical Specifications

Dimensions:	Line Voltage:
Height 6" (15.2 cm) Width 11" (27.9 cm) Depth 15.5" (39.4 cm) Weight 10 lbs (4.3 kgs)	SE02: 100/120 VAC SE02-220: 240 VAC
Line Frequency: 50 - 60 Hz	Noise Level: 55.0 dBA (Maximum)
Warranty: Limited two (2) year on unit only	

CALL YOUR SYMMETRY SURGICAL SALES REPRESENTATIVE, LEARN MORE AT SYMMETRYSURGICAL.COM OR CALL 1-800-251-3000.

EDUCATIONAL RESOURCES AVAILABLE AT WWW.BOVIEMEDICAL.COM INCLUDING, "SURGICAL SMOKE: A CLEAR WAY TO END A LINGERING PROBLEM" E-BOOK.

Bovie® Electrosurgical Pencils

CODE	DESCRIPTION
ESP1	Push Button Electrosurgical Pencil, Blade
ESP1T	Push Button Electrosurgical Pencil, Coated Blade
ESP6	Rocker Switch Electrosurgical Pencil, Blade
ESP6T	Rocker Switch Electrosurgical Pencil, Coated Blade
ESP1HN	Push Button Electrosurgical Pencil Needle w/Holster
75800	Olsen® Monopolar Pencil

Accessories

CODE	DESCRIPTION
786T	Vacuum Tubing 7/8" x 6"
786TS	Vacuum Tubing 7/8" x 6" Hose to Hose Connect
SEVL	Vacuum Tubing 7/8" x 6" reduced to 3/8" for Valleylab
SETW	Vacuum Tubing with Wand & Tip
SERF	Vacuum Tubing with Reducer Fitter 7/8" to 1/4" x 24"
SELW	Laser Resistant Wand 7/8" x 8"

References: 1 Hill DS, O'Neill JK, Powell RJ, Oliver DW. Surgical smoke – a health hazard in the operating theatre: a study to quantify exposure and a survey of the use of smoke extractor systems in UK plastic surgery unit. J Plast Reconstr Aesthet Surg. 2012; 65(7):911-916.

2 Lee J. Update on electrosurgery: New products and features make procedures safer, easier. Outpatient Surgery Magazine 2002. <http://www.outpatientsurgery.net/surgical-service/electrosurgery/update-on-electrosurgery-02-02>.