



Automated filtration of surgical fumes in laparoscopic surgery



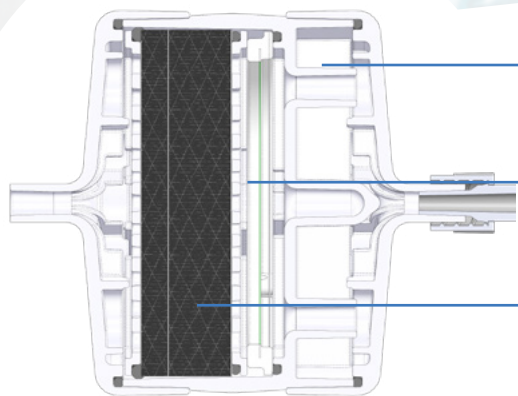
**You take care of others,
we take care of you.**



HUBSAFE is an electronic medical device for the automatization of the filtration and evacuation of surgical fumes.
The fumes are filtered due to the filtration capsule called ENDOSAFE.



HUBSAFE automatically evacuates surgical fumes up to a flow rate of 12l/min, as soon as one generator (monopolar, bipolar, ultrasound, thermofusion) is in operation. HUBSAFE is also equipped with a manual mode to empty the pneumoperitoneum at the end of the surgery.

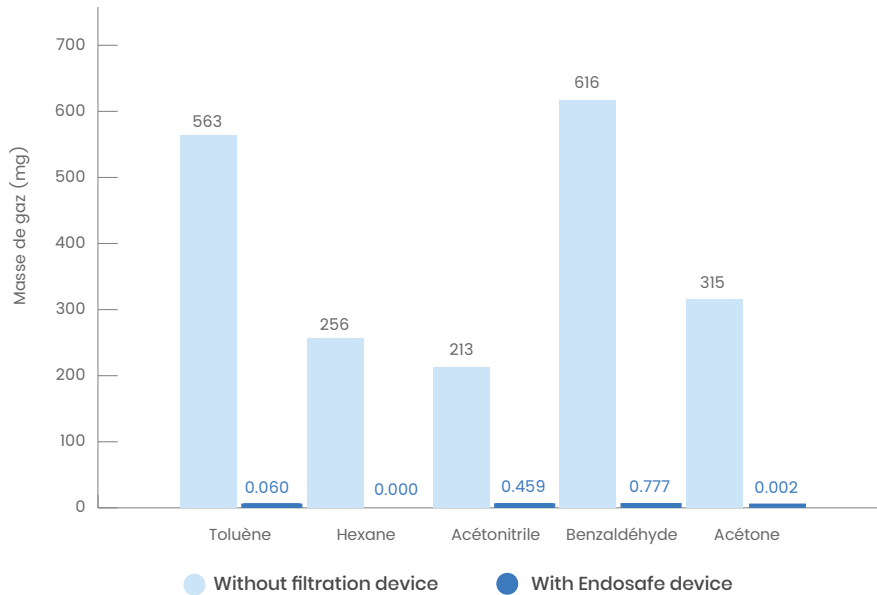


Integrated water trap to capture water vapour that carries viruses and bacteria

ULPA filter with a high filtration efficiency of 99.9995% accordingly to EN 1822-1 standard

Activated carbon for optimal efficiency for the filtration of volatile organic compounds (VOCs)

Absorbing capacity of the ENDOSAFE®* device



*Certified by an independent notified test lab

- Protect the entire operating room medical staff and patient from exposure to dangerous surgical fumes.
- Insure the efficiency of fumes filtration up to eight hours to secure a healthy environment throughout the entire surgical procedure.
- Prevents from inhalation of volatile organic compounds (VOCs).
- Easy to use due to the connection technology of the Luer Lock.

« One gram of tissue coagulated for 15 min can cause harm equal to 60 cigarettes »

HOGLAN study 1995

« A single ventilation system in the operating room does not prevent the emission of fumes »

OKOSHI study 2014



« The fumes generated in laparoscopy released by the valves of the trocars are more concentrated and go further, exposing operating room medical staff to high concentration of smokes »

OKOSHI study 2014

« The fumes from electrocoagulation produce 2.6 times more mutagenicity than cigarettes »

TOMITA study 1977

DESIGNATION	REFERENCE	PACKAGING
ENDOSAFE®	30 00 001	20 per box
HUBSAFE®	50 00 001	1 per box



5 square de la poste
34920 LE CRES
FRANCE



+33 (0)4 11 93 73 09
contact@smices-surgical.com
www.smices-surgical.com

EN0121 N°001