

# Smoke Evacuation Pencil Portfolio

BREATHE CLEAN AIR WITH A GREEN CONSCIENCE!



CIMPAX® C-VAC TORNADO™  
AND CIMPAX® C-VAC XTRACT™



Patented EP2709547/US14114476

# Why is SURGICAL SMOKE hazardous?

Surgical smoke is the aerosolized byproduct generated during surgical procedures when tissues are cut, coagulated, or vaporized.

Often underestimated, surgical smoke presents potential health risks to operating room staff. Consisting of particles like chemicals and microorganisms such as bacteria, and viruses released during electrosurgical procedures, this invisible hazard can lead to respiratory issues and long-term health concerns.

The “PCB’s” of surgical smoke:

## Physical

- Contains ultra-fine particulate which can penetrate deep into the lungs

## Chemical

- Contains 40 different carcinogenic chemicals similar to cigarette smoke which increases the risk of developing cancer

## Biological

- Contains viable bacteria and viruses which can lead to transmission of diseases



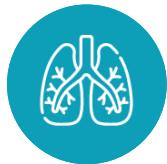
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One day's exposure to surgical smoke is equivalent to smoking 27 to 30 unfiltered cigarettes <sup>1)</sup>



150

Hazardous chemicals are found in surgical smoke, including benzene and formaldehyde <sup>2)</sup>



2x

Perioperative nurses have twice the incidence of many respiratory problems as compared to the general population <sup>3)</sup>

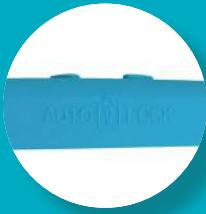
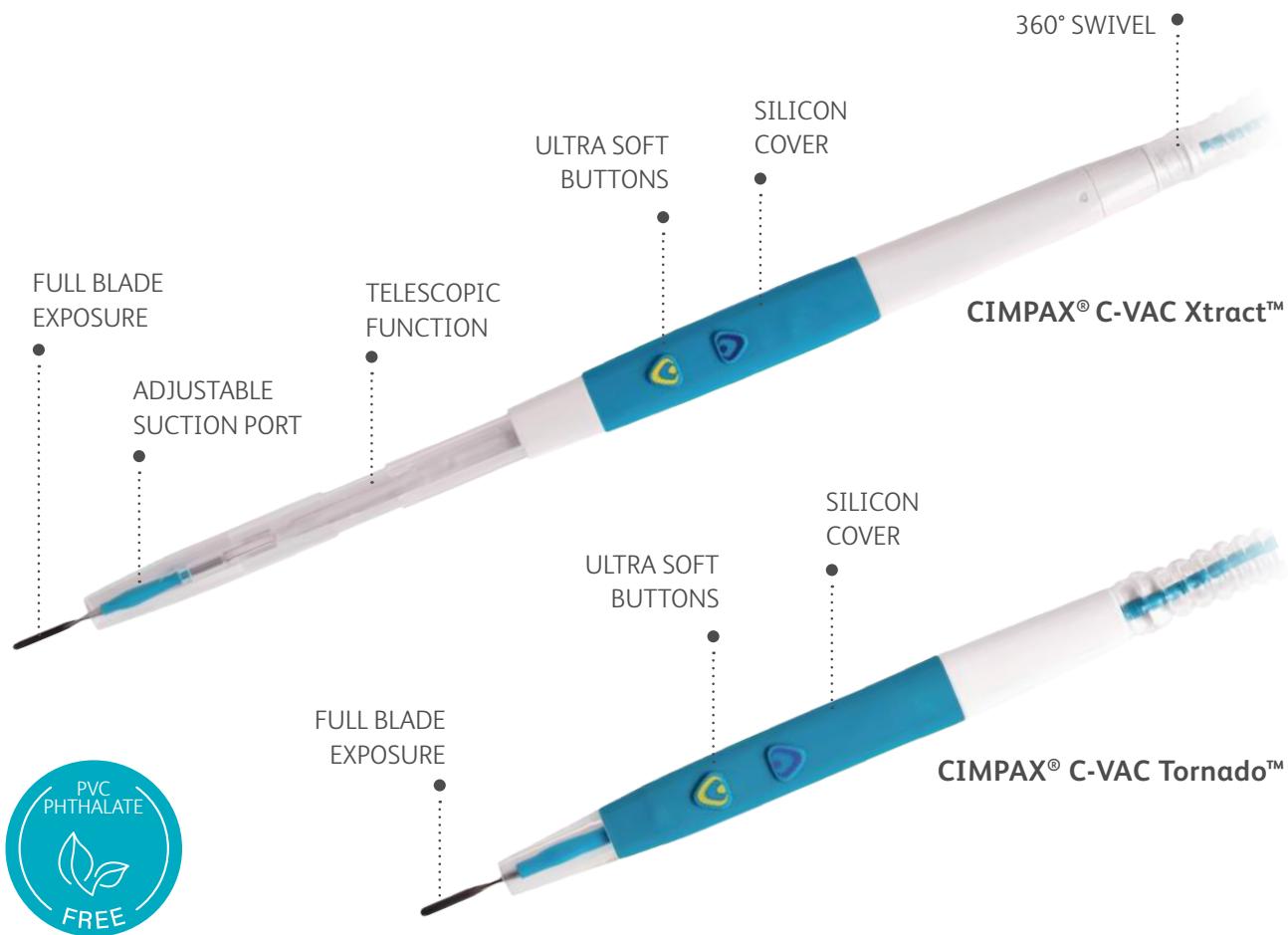
# SOLUTION



Introducing CIMPAX® C-VAC Smoke Evacuation Pencil range, designed to protect operating room staff from the daily risks of surgical smoke exposure.

The CIMPAX® C-VAC Xtract™ and CIMPAX® C-VAC Tornado™ offer the ultimate solution for safe electrosurgery and effective evacuation of hazardous smoke in one single instrument.

The distinctive triangular design, coupled with a silicone cover, ensures optimal ergonomic grip and safety for surgeons. The ultra-soft micro-switch push buttons provide exceptional tactile feedback, enhancing user comfort. Being free of Latex, lead, PVC, and phthalates, the C-VAC range allows surgery without any concerns, prioritizing the well-being of users, colleagues, patients, and the environment.



The unique "AUTO-LOCK" function on C-VAC Xtract™ eliminates manual locking of the telescoping function



Special 20 ml CIMPAX® Fluid Trap prevents fluids from entering the filtration system maintaining the efficiency of the ULPA filter

Adjustable suction port (C-VAC Xtract™) improves visibility and offers safe fluid suction



Slim triangular design for enhanced ergonomics and user-friendliness





## ORDERING INFORMATION

**CIMPAX® C-VAC Tornado™** Integrated smoke evacuation pencil with silicon cover, 4 meter lead, PVC and phthalate free ESU cable with US-3-pin connector and 3-meter PVC and phthalate free tubing with combined 22/15/9 mm adaptor. Single use. Box of 10.

CMC31-19-102 - CIMPAX® C-VAC Tornado™ Smoke Evacuation Pencil, Coated Blade, Holster

CMC32-30-010 - CIMPAX® Fluid Trap 100mL

**CIMPAX® C-VAC Xtract™** Telescopic smoke evacuation pencil with silicon cover, auto-lock, 360° swivel and adjustable suction tip, incl. 4 meter PVC and phthalate free ESU cable with US 3-pin connector and 3-meter tubing with combined 22/15/9 mm adaptor or 20ml fluid trap with adaptor. Single use. Box of 10.

CMC31-20-102 - CIMPAX® C-VAC Xtract™ Telescopic smoke evacuation pencil, Coated Blade, Holster

**Join us in prioritizing safety and well-being, as we come together to foster a healthier and safer working environment for our dedicated healthcare professionals.**

- 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 units. *J Plast Reconstr Aesthet Surg.* 2012;65(7):911–916.
- 2) Barrett WL, Garber SM. Surgical Smoke: A review of the literature. *Is this just a lot of hot air?* *Surg Endosc.* 2003;17(6):979-87
- 3) Ball K. Compliance with surgical smoke evacuation guidelines: implications for practice. *ORNAC J.* 2012;30(1):14-16. [IIIB]

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