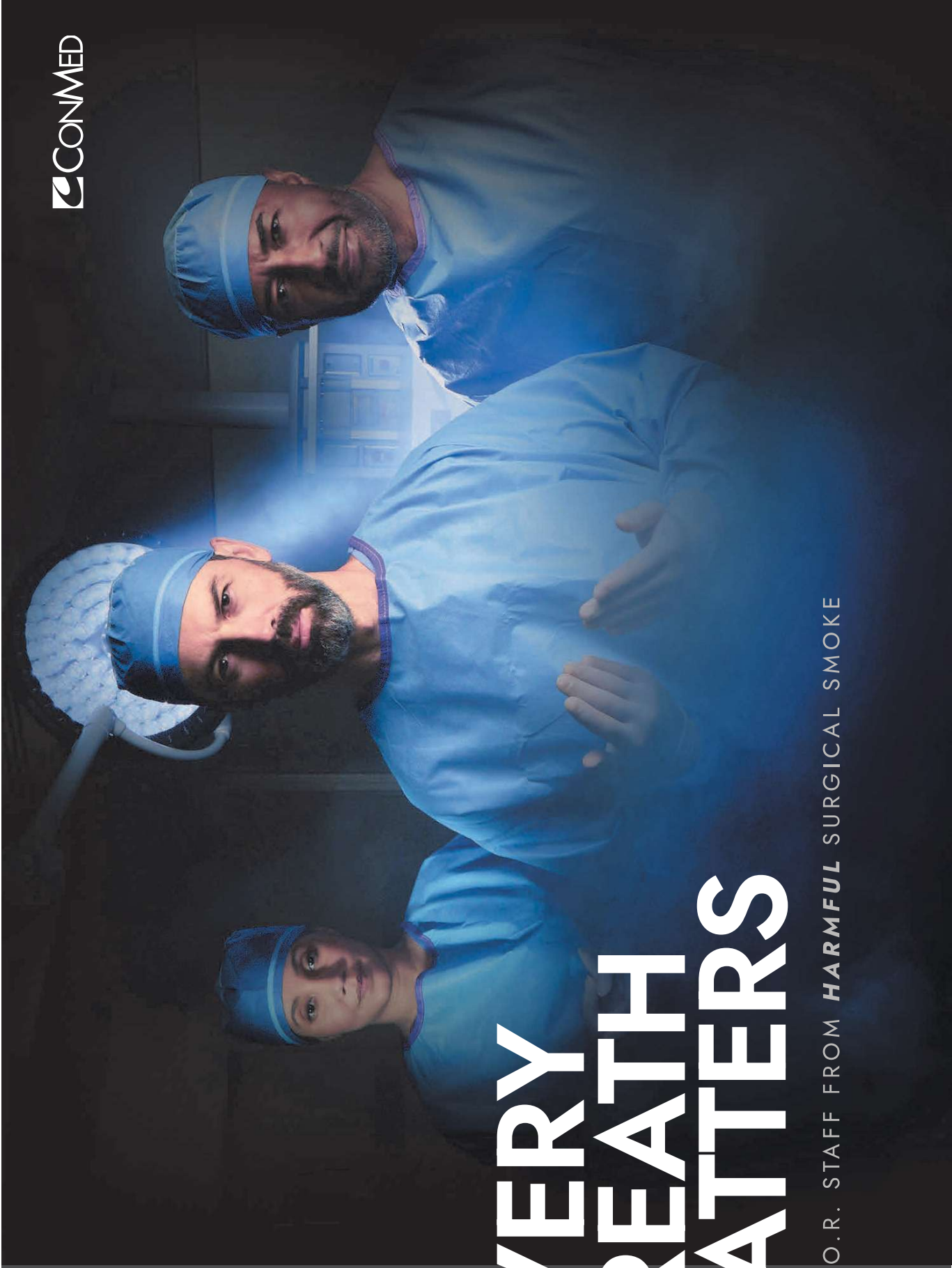


EVERY BREATH MATTERS

PROTECT O.R. STAFF FROM **HARMFUL** SURGICAL SMOKE



Partner with the ***leader in smoke management***
— offering the largest portfolio of surgical smoke
management products on the market.

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WHY COMMED?

A LEGACY OF INNOVATION

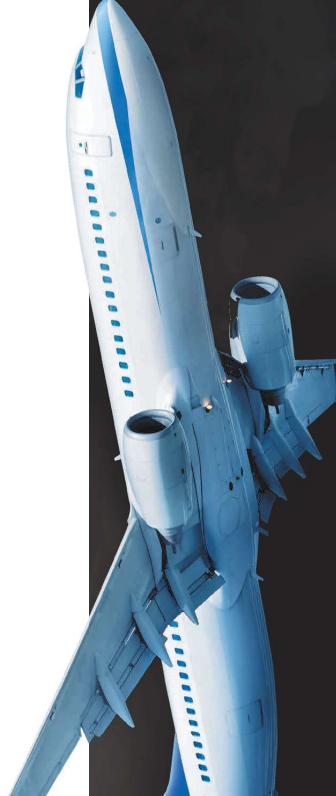


THERE ARE DANGERS IN SURGICAL SMOKE PLUME

TOGETHER, WE CAN HELP ELIMINATE THEM.

What is surgical smoke? Surgical smoke is dangerous, vaporized combusted by-product that forms when energy source is applied to tissues, fluids or blood¹. Research has shown that on average smoke produced daily was equivalent to 27-30 cigarettes².

Additionally, half a million healthcare workers are exposed to surgical smoke every year³. The most obvious population exposed are O.R. staff. O.R. nurses, in particular, report twice the number of respiratory illness compared to the general public⁴.



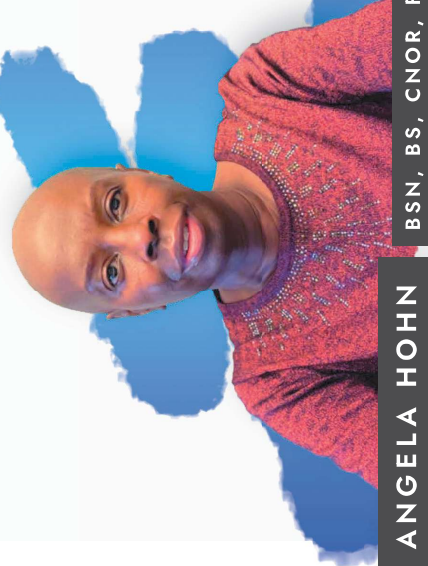
¹ConMed. (2022). Clear The Air[®]: The Time is Now. [PowerPoint slides]. URL
²Hill, D.S. et. Al., Surgical Smoke- A health hazard in the operating theatre. A study to quantify exposure and a survey of smoke extractor systems in UK plastic surgery units. Journal of Plastic, Reconstructive, and Aesthetic Surgery 2012.
³Barrett, W., Garber, S. (2004). Surgical Smoke – A Review of the Literature. Business Briefing, Global Surgery

FEBRUARY 25, 1990

SMOKING BANNED ON U.S. FLIGHTS⁵

Health protections are in place today to protect the public from harmful cigarette smoke — why are we not protecting O.R. staff from surgical smoke?

⁵Ball, K., (2010). Compliance With Surgical Smoke Evacuation Guidelines: Implications for Practice. AORN Journal. doi: 10.1016/j.aorn.2010.06.002
⁶American Nonsmokers' Rights Foundation. (2015). Celebrating 25 Years of Smokefree Skies. <https://no-smoke.org/celebrating-25-years-smokefree-skies/> URL
⁷ConMed. (2022). Clear The Air[®]: The Time is Now. [PowerPoint slides]. URL
⁷ConMed. (2022). Every Breath Matters. [Video]. URL



ANGELA HOHN

BSN, BS, CNOR, FCN

PERIOPERATIVE NURSE, ATLANTA, GA

In February of 2020, Angela was diagnosed with stage 4 non-small cell lung cancer after 40 years as an O.R. nurse⁶.



I would wear my mask everyday not to protect myself from smoke per say but to protect the patient...there was nothing protecting me⁷.

150 TOXIC CHEMICALS ARE FOUND IN SURGICAL SMOKE

There are over 150 chemicals in surgical smoke⁸. Over a third of these are toxic, mutagenic and/or carcinogenic chemicals⁹. These chemicals are formed when energy is applied to tissue, protein and fat. Chemicals are found in surgical smoke because when an energy source is applied to tissues, it breaks down the molecular bonds.

HEALTH IMPACT KEY

Brain Damage

May Cause Cancer

Flammable

Heart Damage

Kidney Damage

Lung Damage

Reproductive Complications

BENZENE

HYDROGEN CYANIDE

TOLUENE

FORMALDEHYDE

1,3-BUTADIENE

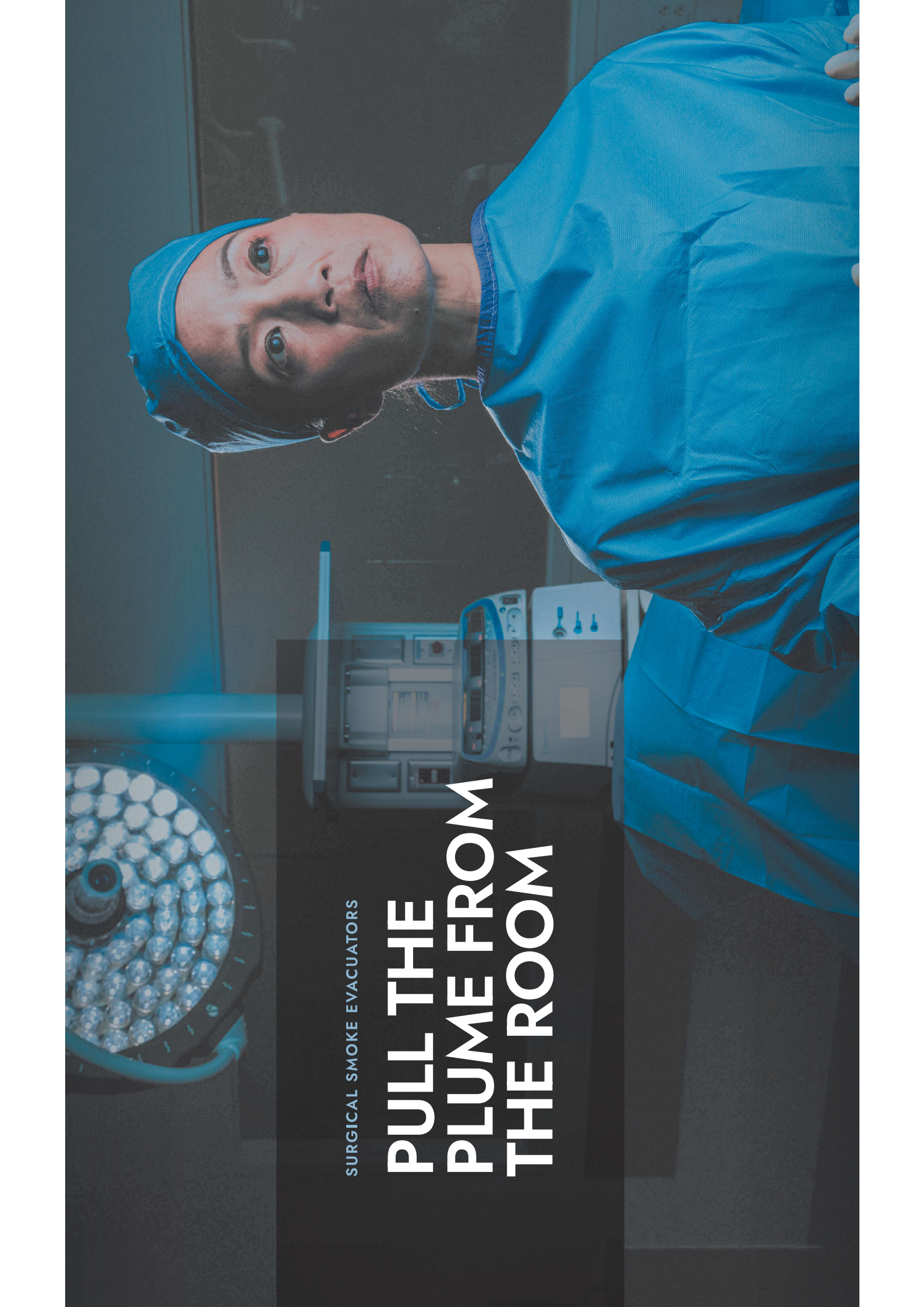
ETHYLBENZENE

CARBON MONOXIDE

XYLENE

⁸Pierce JS, Lacey SE, Lippert JF, Lopez R, Franke JE. Laser-generated air contaminants from medical laser applications: a state-of-the-science review of exposure characterization, health effects, and control. J Occup Environ Hyg. 2011;8(7):447-466

⁹Ulmer BC. The hazards of surgical smoke. AORN J. 2008 Apr;87(4):721-34; quiz 735-8. doi:10.1016/j.aorn.2007.10.012. PMID: 18461735



SURGICAL SMOKE EVACUATORS

PULL THE PLUME FROM THE ROOM

VISICLEAR®

Combining variable filter life (up to 35 hours depending on procedure*), automatic filter life tracking, an occlusion alarm and one touch programmable procedure modes. VisiClear® effectively filters surgical smoke, particulates and other potentially hazardous

by-products providing a healthier environment for O.R. Staff. Designed with Whisper Technology™** to ensure ultra-quiet operation, surpassing AORN Guidelines.**

* Data on file.

** AORN Guidelines: AORN. 2021. Guidelines for Perioperative Practice: Surgical Smoke Safety.





DID YOU KNOW?

Smoke evacuators have shown to **decrease** exposure of particles by

88%¹⁰

VISICLEAR[®]
SURGICAL SMOKE EVACUATOR



+ Procedure Operating Modes
One of three operating modes (Laparoscopic, Open Tubing, and Electrosurgical Pencil Mode) can easily be selected, automatically customizing filter life based on surgical procedure.

+ Advanced Sound Control Design
Whisper Technology™ ensures ultra-quiet operation with unprecedented sound quality that exceeds AORN's guidelines for noise level.*

+ Sleek Shelf Design
Ergonomically designed to accommodate stacking.

+ Occlusion Warning
Safety feature that alerts medical personnel when an occlusion has occurred.

+ Intuitive Color Touch Screen
Can be operated with ease even with a gloved hand, and requires minimal training to operate.

+ Unique Sliding Port Closure
SafePort™ Technology ensures reduced risk of staff coming in contact with a contaminated port.

* AORN Guidelines: AORN. 2021. Guidelines for Perioperative Practice: Surgical Smoke Safety.

¹⁰Karjalainen M, Kontunen A, Saari S, Rönkkö T, Leikkala J, Roine A, Oksala N. The characterization of surgical smoke from various tissues and its implications for occupational safety. PLoS One. 2018 Apr 12;13(4):e0195274. doi: 10.1371/journal.pone.0195274. PMID: 29649244; PMCID: PMC5896939