

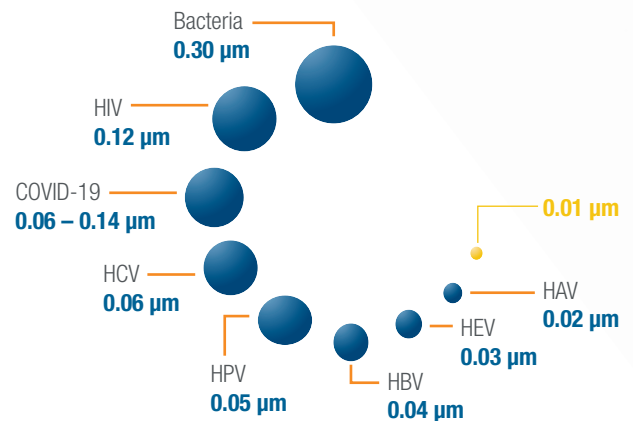
AirSeal® System

0.01µm Filtration

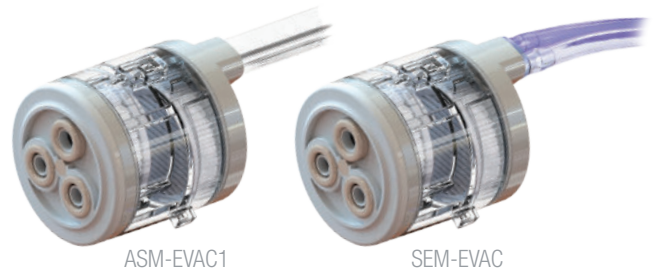
Protect your patients, your staff, and yourself

Biologic material is a known component of surgical smoke. The aerodynamic size of HIV viruses has been reported as 0.12 µm¹; HPV has been reported as 0.055 µm²; and Hepatitis C has been reported as 0.06 µm³ in diameter.

Acronym	Name	Size
HAV	Hepatitis A Virus	0.02 µm ⁴
HEV	Hepatitis E Virus	0.03 µm ⁴
HBV	Hepatitis B Virus	0.04 µm ⁴
HPV	Human Papilloma Virus	0.05 µm ²
HCV	Hepatitis C Virus	0.06 µm ³
COVID-19	Novel Coronavirus	0.06 – 0.14 µm ⁶
HIV	Human Immunodeficiency Virus	0.12 µm ¹
BAC	Bacteria	0.30 µm ⁵



















CONMED is pleased to offer two solutions that provide continuous active smoke evacuation and filtration for laparoscopic procedures. When used with the AirSeal® iFS, both the AirSeal® Tri-Lumen Tubing (ASM-EVAC1) and Bifurcated Smoke Evacuation Tubing (SEM-EVAC) offer continuous smoke evacuation through a **0.01 µm ULPA Filter**.



1. Fisher, Bruce; Harvey, Richard P.; Champe, Pamela C. (2007). Lippincott's Illustrated Reviews: Microbiology, Lippincott's Illustrated Reviews. Hagerstown, MD: Lippincott Williams & Wilkins. p. 3. ISBN 978-0-7817-8215-9.
2. IARC Working Group on the Evaluation of Carcinogenic Risk to Humans. Human Papillomaviruses. Lyon (FR): International Agency for Research on Cancer; 2007. (IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, No. 90.) 1, Human Papillomavirus (HPV) Infection. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK321770/>
3. Hepatitis C virus--proteins, diagnosis, treatment and new approaches for vaccine development. Hossein Keyvani, Mehdi Fazlalipour, Seyed Hamid Reza Monavari, Hamid Reza Mollaie. Asian Pac J Cancer Prev. 2012; 13(12): 5931-5949.
4. Zuckerman AJ. Hepatitis Viruses. In: Baron S, editor. Medical Microbiology, 4th edition. Galveston (TX): University of Texas Medical Branch at Galveston; 1996. Chapter 70.
5. Size Limits of Very Small Microorganisms: Proceedings of a Workshop. Washington (DC): National Academies Press (US); 1999. Bacteria, Their Smallest Representatives and Subcellular Structures, and the Purported Precambrian Fossil "Metallogenium".
6. Cascella M, Rajnik M, Cuomo A, et al. Features, Evaluation and Treatment Coronavirus (COVID-19) [Updated 2020 Mar 8]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK554776/> <<https://www.ncbi.nlm.nih.gov/books/NBK554776/>

CONMED makes no claims to the reduction in infection risk when using our products. ASM-EVAC1 and SEM-EVAC contain 0.01 µm ULPA filters; however, they are only effective in filtering the gas that is cycled through the system. Insufflation gases and surgical smoke that are not evacuated by the system cannot be filtered by the tube sets. At this time there is not product that can guarantee the 100% elimination for risk from aerosolization of biomaterials in laparoscopy.

Ordering Information

	Description	Unit of Measure	Qty Per Box	Catalog Number
	AirSeal iFS Intelligent Flow System 120V	Unit	1	AS-iFS1
	AirSeal iFS Intelligent Flow System 230V	Unit	1	AS-iFS2
	AirSeal Cart for use with iFS	Unit	1	AS-iCart
	Tri-Lumen Filtered Tube Set for use with iFS AirSeal Mode	Box	6	ASM-EVAC1
	Bifurcated Smoke Evac Filtered Tube Set for use with iFS Smoke Evacuation Mode	Box	6	SEM-EVAC
	Single Lumen Filtered Tube Set for use with iFS Standard Insufflation Mode	Box	10	SIM-TUB
	5mm Access Port and Low Profile Obturator Bladeless Optical Tip, 75mm Length	Box	6	iAS5-75LP
	5mm Access Port and Low Profile Obturator Bladeless Optical Tip, 100mm Length	Box	6	iAS5-100LP
	5mm Access Port and Low Profile Obturator Bladeless Optical Tip, 120mm Length	Box	6	iAS5-120LP
	5mm Smooth Access Port with Blunt Tip 150mm Length (for use with single site surgical platforms)	Box	1	iASB5-150
	8mm Access Port and Low Profile Obturator Bladeless Optical Tip, 100mm Length	Box	6	iAS8-100LP
	8mm Access Port and Low Profile Obturator Bladeless Optical Tip, 120mm Length	Box	6	iAS8-120LP
	12mm Access Port and Palm Grip Obturator Bladeless Optical Tip, 100mm Length	Box	6	iAS12-100LPi
	12mm Access Port and Palm Grip Obturator Bladeless Optical Tip, 120mm Length	Box	6	iAS12-120LPi
	12mm Access Port and Obturator Blunt Tip, 100mm Length	Box	6	iAS12-100
	12mm Access Port and Obturator Blunt Tip, 120mm Length	Box	6	iAS12-120
	12mm Access Port and Obturator Bladeless Optical Tip, 150mm Length	Box	6	iAS12-150