

HEALTH HAZARD

SURGICAL SMOKE



Electrosurgery is an integral part in every operating room —

SURGICAL SMOKE IS NOT

A SAFE WORKING ENVIRONMENT WITH THE IES 3 SMOKE EVACUATION SYSTEM.

Nausea

FEELING FAINT

58.3%

OF CLINICAL PROFESSIONALS ARE BOTHERED BY THE SMELL.

THE ACTIVE CARBON BARRIER IN THE FILTER OF THE IES 3

REMOVES ODORS.

Muscle weakness

VAPORIZED CIGARETTES

98.6% OF SMOKE ELIMINATED

WITH EVACUATION 1CM DIRECTLY ABOVE THE SOURCE.

Odors

Operation room ventilation systems are ineffective. And face masks are insufficient.

90% OF THE SMOKE PARTICLES ARE OF NANO-SIZE.

99.995%

OF THE 0.1µm PARTICLES IN THE OPERATING ROOM.

Aerosol



CHEMICAL SUBSTANCES

detected in the urine of a patient who had undergone laparoscopy without smoke evacuation.

SURGICAL SMOKE CONTAINS TOXIC, MUTAGENIC SUBSTANCES.

SMOKE EVACUATION PROTECTS SURGICAL TEAM PATIENT

PARTICLE SIZES

0.65 µm Ultrasound surgery

> 0.3 µm Laser surgery

0.1 µm Electrosurgery



PROTECTION AGAINST CONTAMINATION WITH NANOPARTICLES

A SAFE WORK ENVIRONMENT WITH THE IES 3 SMOKE EVACUATION SYSTEM.



HAZARD DETECTED. RISK AVERTED.



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