

Megadyne™

MEGADYNE™ MINI VAC™ Smoke Evacuator



ETHICON
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

Shaping
the future
of surgery

Why remove surgical smoke from the OR?

Surgical smoke can decrease site visibility and impact air quality in the surgical suite. The MEGADYNE™ Smoke Evacuation Portfolio was designed to reduce surgical smoke for improved visibility and a cleaner OR environment.

Electrosurgical smoke has been shown to contain many potentially harmful components including:

- Electrosurgery plume/smoke contains toxic gas and vapors.¹
- Electrosurgery plume/smoke can contain bioaerosols, including dead and living cell material, blood fragments and viruses.²⁻⁴
- Electrosurgery plume/smoke can contain potentially mutagenic and carcinogenic compounds.^{5,6}

AORN/NIOSH recommends surgical smoke be removed by use of smoke evacuation in both open and laparoscopic cases.^{7*}



*As per the Association of periOperative Registered Nurses periOperative Standards and Recommended Practices.

1. Sahaf, Chemical composition of smoke produced by high-frequency electrosurgery, Ir J Med Sci;2007;176;229 (119481-190726) 2. OSHA Smoke and Plume Hazards available from <https://www.osha.gov/SLTC/etools/hospital/surgical/surgical> [Accessed 26.07.2019] (119490-200214) 3. NIOSH, Control of Smoke From Laser/Electric Surgical Procedures;1996;96;128 (119490-200214) 4. Guidelines for the Prevention of Intravascular Catheter-Related Infections, 2011 available from <https://www.cdc.gov/niosh/docs/hazardcontrol/hc11> [Accessed 26.07.2019] (119490-200214) 5. Al Sahaf, Chemical composition of smoke produced by high-frequency electrosurgery Ir J Med Sci; 2007;176;229 (121417-190822) 6. Gates, Operating room nursing and lung cancer risk in a cohort of female registered nurses, J Work Environ Health;2007;33(2);140-147 (121417-190822) 7. AORN, periOperative Standards and Recommended Practices, AORN Inc. 2019; 1-24 (119260-200219)

MEGADYNE™ MINI VAC™ Smoke Evacuator

User-friendly design*

- The electronic controls on the face panel have been designed to be user friendly and facilitate set up and operation
- Filter Life Indicator provides a clear signal of the status of the life of the filter in use (filters have up to 35 hours of life)

Efficient*

- MEGADYNE™ Micro Safe Filter contains four different stages to capture smoke plume.
- The MEGADYNE™ RF Sensor allows smoke removal to automatically turn on and off with the smoke evacuation pencil



MEGADYNE™ Micro Safe Filter



MEGADYNE™ RF Sensor

*As Per Instructions For Use

Ordering information

MEGADYNE™ MINI VAC™ smoke evacuator and accessories

DESCRIPTION	CATALOG NUMBER	QUANTITY PER BOX
MEGADYNE™ MINI VAC™ Smoke Evacuator, 220v	ECV220	1
MEGADYNE™ RF Sensor	MGEZLINK01	1
MEGADYNE™ Micro Safe Filter 1pk	MGVS353	1
MEGADYNE™ Micro Safe Filter 2pk	MGVS35302	2
Fluid trap for MINI VAC™	MGVSFT10	10

