Flexibility in. Smoke out.

Minimize exposure to surgical smoke¹ with a smoke evacuation portfolio that delivers all-around flexibility.²





Why smoke evacuation?

Surgical smoke may negatively impact your OR environment and surgical-site visibility.

Potential health risks of surgical smoke

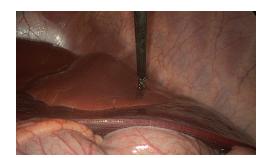


According to the CDC, exposure to surgical smoke can cause both acute and chronic health effects ranging from eye, nose and throat irritation to emphysema, asthma or chronic bronchitis.¹

How smoke impacts visibility



Surgical site with smoke



Surgical site without smoke



What's in electrosurgery smoke?

It can contain a wide variety of different materials and compounds, including:

- Toxic gas and viruses²
- Dead and live cellular material, including blood fragments and viruses²
- Irritant, carcinogenic and neurotoxic compounds³
- Carbon monoxide
- Formaldehyde
- Benzene
- Toluene
- Hydrogen cyanide

MEGADYNE™ Smoke Evacuation products can help you minimize exposure to surgical smoke⁴ and improve surgical-site visibility.

MEGADYNE™ Smoke Evacuator

Megadyne Smoke Evacuator is designed to have effective and quiet performance for open and laparoscopic procedures.¹



Flexible

- Allows users to adjust run time
- Supports continuous smoke evacuation under manual mode

Comprehensive

 Adjustable flow rate to accommodate insufflation air flow to maintain peritoneum pressure in laparoscopic procedures

3 ways to activate

Connect cable

Automatically detects energy device activation to trigger smoke evacuation



RF sensor

Automatically detects monopolar device activation to trigger smoke evacuation



Manual start/stop button

Push button to start or stop smoke evacuation



MEGADYNE™ MINI VAC™ Smoke Evacuator

User-friendly design

- The electronic controls on the face panel have been designed to be user-friendly and facilitate setup 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; this includes a ULPA-grade filter that captures particulates and microorganisms from 0.1 to 0.2 microns at an efficiency of 99.999%
- Activates via on/off switch, footswitch, or RF sensor automatic activation device

Quiet

• Designed with an ultra-quiet, high-suction, high-flow-rate vacuum motor¹









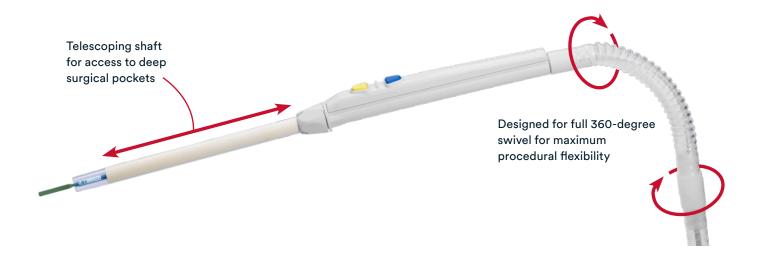
MEGADYNE™ EZ Link RF Sensor



Footswitch (included with evacuator)

MEGADYNE™ Telescoping Smoke Evacuation Pencil

With an adjustable working length, the MEGADYNE™ Telescoping Smoke Evacuation Pencil is designed for **efficient smoke evacuation** at the source.



Visibility

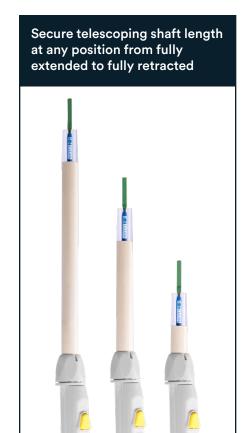
 Adjustable length of the shaft helps position the smoke evacuation tip closer to the surgical site; designed to provide efficient smoke evacuation

Surgeon comfort

- Cord in tubing was designed for comfort and ease of use
- Features tactile buttons for high user feedback

Efficiency

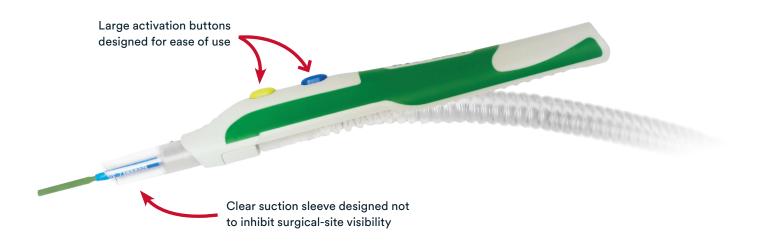
- Adjustable shaft minimizes the need to exchange electrodes
- MEGADYNE™ E-Z CLEAN™ Electrosurgical Electrodes with PTFE produced 68% less smoke vs. uncoated stainless steel blades¹





MEGADYNE™ ZIP-PEN™ Smoke Evacuation Pencil

The MEGADYNE™ ZIP-PEN™ Smoke Evacuation Pencil captures smoke at the source for efficient smoke removal¹ while delivering a comfortable, ergonomic experience for surgeons.



Visibility

Encapsulates the electrode for effective smoke capture

Surgeon comfort

- Lightweight and designed to minimize hand fatigue³
- Designed with a non-slip grip for comfort and control⁴

Efficiency

 MEGADYNE™ E-Z CLEAN™ Electrosurgical Electrodes with PTFE produced 68% less smoke vs. uncoated stainless steel blades²

3 ergonomic, non-slip grip positions

"Trigger" grip method

Eliminated 100% of the torque off the back end of the pencil for improved surgeon ergonomics⁵



"Over the hand" grip method

This grip reduces torque by draping the tubing over the surgeon's thumb or back of the hand



"Traditional" grip method

Tubing can be kept in the full upright position (as shown) to emulate a traditional pencil



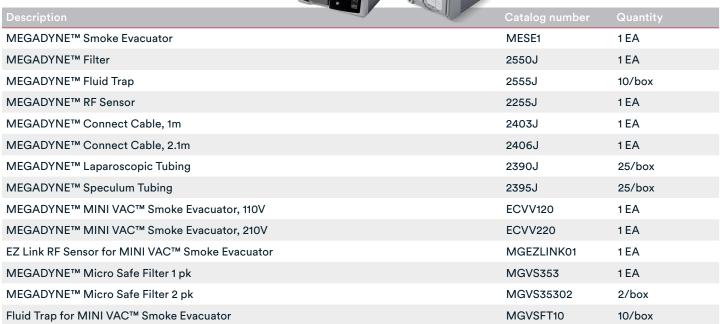
¹ Benchtop testing comparing Zip Pen to predicate Ultra Vac on max setting of various smoke evacuator devices (p<0.05) (075027-170621) 2 In a preclinical porcine model at 60W vs. uncoated stainless steel blades at 60W (p<0.001). Kisch T, et al. Electrocautery Devices with Feedback Mode and Teflon-Coated Blades Create Less Surgical Smoke for a Quality Improvement in the Operating Theater. Medicine, 2015;94(27) (074999-190121). 3 075023-170621 4 075025-170621 5 Only when in "trigger" configuration. (075019-170621)

Ordering information

MEGADYNE™ Smoke Evacuation Pencils and Shrouds

| Description | Catalog number | Quantity |
|--|----------------|----------|
| MEGADYNE™ Telescoping Smoke Evacuation Pencil, 10-Foot (3m) Tubing | 251010J | 20/box |
| MEGADYNE™ Telescoping Smoke Evacuation Pencil, 15-Foot (4.5m) Tubing | 251015J | 20/box |
| MEGADYNE™ Telescoping Smoke Evacuation Pencil, 10-Foot (3m) Tubing, Bulk Non-Sterile | 251010BN | n/a |
| MEGADYNE™ Telescoping Smoke Evacuation Pencil, 15-Foot (4.5m) Tubing, Bulk Non-Sterile | 251015BN | n/a |
| MEGADYNE™ ZIP-PEN™ Smoke Evacuation Pencil, 10-Foot Tubing | 252510 | 20/box |
| MEGADYNE™ ZIP-PEN™ Smoke Evacuation Pencil, 10-Foot Tubing with 22mm Connector | 252510EC | 20/box |
| MEGADYNE™ Attacha Vac Smoke Evacuation Shroud | 212009J | 25/box |
| MEGADYNE™ Attacha Vac Smoke Evacuation Shroud with 22mm Connector | 212009EC | 25/box |

MEGADYNE™ Smoke Evacuators and Accessories



How to order

All purchase orders are made to Johnson & Johnson Health Care Systems, Inc. (JJHCS).

If you want to order direct, you may order electronically (online) at:

- https://us.jjcustomerconnect. com or 1-866-565-4283
- Electronic Data Interchange (EDI) Helpline: 1-800-262-2888

Or, to place a non-electronic (manual) order, contact Johnson & Johnson Health Care Systems Inc. at 1-800-255-2500 8:30 a.m.-6:30 p.m. (Eastern Standard Time) or fax us at 1-732-562-2212.

Customer support

For product use assistance, clinical guidelines, service and repair, emergency assistance, copy of a 510(k) clearance letter, or complaints, please contact our Customer Support Center by calling 877-ETHICON (384-4266). Our support center is staffed 24 hours a day, 7 days a week by qualified nurses to answer your product-related guestions.

Learn more at ethicon.com

