

The Electrocautery Vortex Shroud is available with sterile, disposable tubing 3/8" x 8'9" and 3 tip sizes (short, medium and long). The shroud conveniently and easily slips over any ESU handpiece and many types of laser fiber optic handpieces to remove smoke obstruction from the surgical site.

The patented sensor smoke evacuator assembly is compatible with any surgical laser system or electrosurgery system.



Speculum tubing available, sterile, and non-sterile.



The **Input Filter Pack** makes filter replacement quick, easy and convenient. Each filter pack contains a prefilter, ULPA filter and a fluid trap. The ULPA filter will trap 0.1 micron viral and bacterial particles. The filter pack can be reused.

Laparoscopic Tubing is sterile, disposable 1/4" x 10'.



The **Output Charcoal Filter** is reusable and used for preventing aerosol, vapor and moisture droplet odors. In addition, the charcoal filter will trap bacterial, viral, smoke, dust particles and odors. Filters will last approximately 3-4 months.

SPECIFICATIONS – MODEL 360, 350-D

SIZE:	7.25" H X 14.0" W X 15.0" D.
WEIGHT:	Less than 17 pounds!
POWER REQUIREMENTS:	100 - 240 V.A.C., single phase, 50-60 Hz, 2.5 a
FLOW RATE:	High Flow Range: used in both 350-D and 360 25-100 Liters/Minute ± 10% Low Flow Range: 350-D only - used in Laparoscopic and Endoscopic procedures 3.5 - 18 Liters/Minute ± 10%
ACTIVATION METHOD:	ESU Sensor, Laser Footswitch Sensor, and Manual Switch

Catalog# Descriptions

Smoke Evacuators

ICM-360-0000 MODEL 360: activates with either laser or ESU sensor: Used with open procedures
ICM-470-0000 MODEL 350-D: Two-in-One unit activates with either laser or ESU sensor: For ALL surgical procedures. Built-in safety and preserve peritoneum for laparoscopic/endoscopic procedures

FILTERS

ICM-000-0014 ULPA Filter with water trap – Input Filter
ICM-000-0025 Charcoal Output Filter

SENSORS

ICM-000-0009 ESU Sensor (Electrocautery with cable)
ICM-000-0018 Laser Foot Pedal Sensor with cable

PenEvac - Multifunctional ESU Pencil with telescopic Electrodes

ICM-000-0200 PenEvac™, Telescopic Non-Stick blade, tube, and holster.
ICM-000-0198 PenEvac™, Telescopic Stainless Steel blade, tube, and holster.
ICM-000-0428 PenEvac™, Telescopic Megadyne®, E-Z Clean® blade, tube, and holster.
ICM-000-0232 PenEvac™, Telescopic Non-Stick blade, 1' tube, and holster.
ICM-000-0230 PenEvac™, Telescopic Stainless Steel blade, 1' tube, and holster.
ICM-000-0426 PenEvac™, Telescopic Megadyne®, E-Z Clean® blade, 1' tube, and holster.

The Shroud - ESU Pencil Smoke Collection Clip-On Attachment

ICM-000-0017 Shroud with Long Tip Nozzle and Complete Smoke Collection Tubing set with connector
ICM-000-0148 Shroud with Short Tip Nozzle and Complete Smoke Collection Tubing set with connector
ICM-000-0173 Shroud with Short Tip Nozzle and No Smoke Collection Tubing
ICM-000-0226 Shroud with Short Tip Nozzle and 1' Smoke Collecting Tubing
ICM-000-0131 Extended Shroud Tip Nozzle to collect surgical smoke when using an Extended Blade Electrode

Tubing Sets

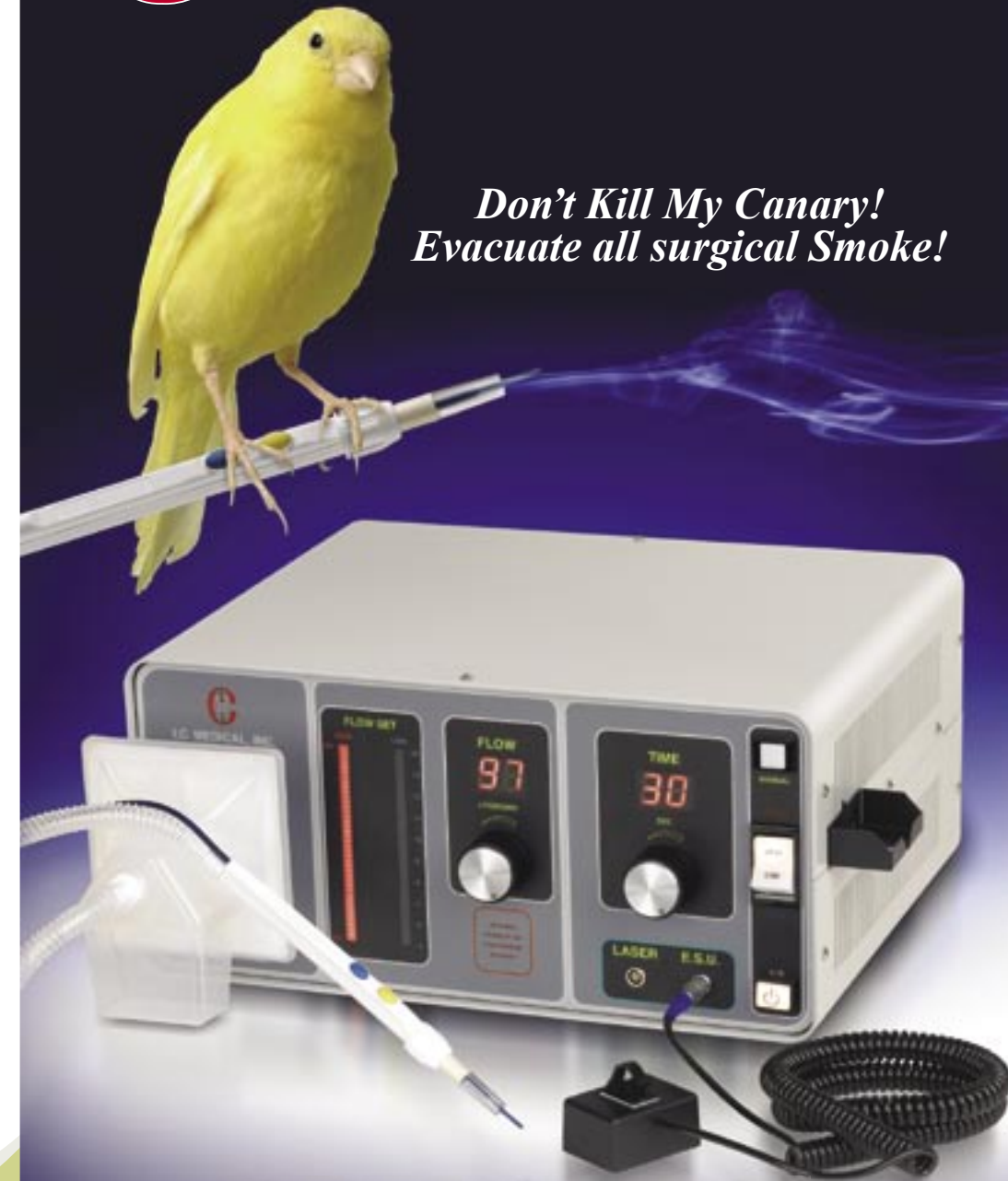
ICM-000-0003 Laparoscopic Smoke Collection Tubing
ICM-000-0027 Speculum Smoke Collection Tubing
ICM-000-0075 Smoke Collection Wand with Complete Smoke Collection Tubing set with connector

Custom configurations are available. Caution - always holster ESU pencils or the PenEvac™ when not in use.
These Products may be covered by one or more of the following U.S. or Foreign patents:
5,066,294; 5,108,389; 5,114,422; 5,199,944; 5,312,397; 5,318,516; 5,431,650; 5,693,044; 5,797,901; 5,836,909;
5,836,944; 6,099,525; 6,142,995; 6,355,034B2; 6,458,125; EP 0538 6 41, D 592 08 677.1-08.
Other U.S. and/or foreign patents may be pending.

The Canary Campaign is a registered trademark of I.C. Medical, Inc.



I.C. Medical, Inc.



*Don't Kill My Canary!
Evacuate all surgical Smoke!*

Automatic Smoke Evacuator System

Crystal Vision Model 350D & 360

The First Patented Sensor System For Automatic Smoke Evacuation



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The PenEvac is a patented integrated Electrocautery Pencil with smoke evacuation. The PenEvac electrode and smoke collection nozzle can be adjusted by the surgeon to any length between 1.5" and 6.5". This eliminated the need for replacing different length electrodes and smoke collection nozzles during surgery. It has the highest airborne particle reduction when compared by an independent test to any other smoke collection device.

Crystal Vision Advantages During Open Procedures:

- “Hands free smoke evacuation!” Electrocautery pencil slips into the smoke evacuator shroud or the PenEvac (as described above). Both are conveniently held in one hand by the surgeon. The evacuator is ALWAYS where it need to be for complete elimination of contaminated smoke from the O.R.
- ULPA filtration and sensors that detect when the filter is full. The operator is alerted, and if the filter is not changed in a few minutes, the pump stops. Prevents smoke particles from infiltrating the operating room.
- Front panel automatically illuminates when room lights are turned down. Controls red in “high flow” and green in “low flow.”
- Disposable shroud and choice of tip length provides the surgeon with control and confidence regarding the depth of the incision.



Crystal Vision Advantages During Laparoscopic Procedures

- Pneumoperitoneal pressure is constantly monitored and the Crystal Vision automatically starts pumping to lower potentially dangerous pressure levels.
- Low Flow range is unique to Crystal Vision. It is easily adjusted to match the “in-flow” rate of the insufflator. This feature helps maintain the pneumoperitoneal pressure and the surgeon can concentrate on the surgery.
- Pump stops automatically if tissue is accidentally suctioned and minimizes the potential of trauma to the tissue.
- Smoke plume is not allowed to flow back into the patient. Therefore, clean CO2 gas is used to maintain the pneumoperitoneum.
- Manual activation of the Crystal Vision at the end of the procedure eliminates the need for the surgeon to push on the patient’s abdomen. Intraabdominal gases are removed and the Crystal Vision automatically turns off.

With I.C.Medical’s technological innovation and leadership, you can depend on Crystal Vision for superior performance, quality, and value today and in the years ahead.