



Better Visibility for the Surgeon.

Better Smoke Removal for the OR Staff.

Better Outcomes for the Hospital and Patient.

LEXION

Trusted World Leader in
Advanced Gas Conditioning Technology
for Minimally Invasive Procedures



AP 50/30

REAL-TIME INTELLIGENT INSUFFLATOR

The AP 50/30 is the world's first comprehensive pneumo management system created for the surgeon and the patient. It delivers 100% CO₂ to reduce the incidence of subcutaneous emphysema as compared to CO₂ with added air.*

Using air (nitrogen) to supplement pneumo has been shown to be hazardous and harmful to patients.**

AP 50/30 insufflator provides true insufflation delivery of 50 liters per minute. This Insufflator used with the InsufloPort® can measure real time pressure at the patient abdomen providing the safest design on the market. Pneumoperitoneum has never been more consistent even in the most extreme conditions of surgery.

- The AP 50/30 Insufflator is a 50 L/min CO₂ insufflator with true 30 L/min gas delivery regardless of instrument or scope present
- Utilizes real-time Intracavitary pressure and flow sensing technology to deliver optimum pneumo throughout the entire surgery
- Maintains a constant pressure regardless of leaks or spikes
- Enhanced safety and reliability during all laparoscopic and robotic procedures
- Offers Standard/High Flow, Pediatric, Bariatric and Vessel Harvesting Modes

The First and Only Real Time CO₂ Insufflator

* According to published studies 1/279 patients reported subcutaneous emphysema, pneumomediastinum and pneumothorax complications during/after laparoscopic surgery with conventional CO₂ insufflators.

** According to published studies 12/73 patients reported subcutaneous emphysema, pneumomediastinum and pneumothorax complications during/after laparoscopic surgery with valveless trocars (used with the compatible insufflator).

Safe. Effective. Reliable.



Insuflow Port

INSUFLOWPORT® SERIES

- Dramatically reduces incidence of fogging for optimal visualization at all times.
- Conditions gas to 95°F/95% RH to provide maximum clinical results for the patient.
- Reduces hypothermia, post-operative pain and recovery.
- Standard optical entry allows controlled tissue layer visualization with minimum fascial entry.
- Application for all laparoscopic and robotic procedures.

PneuVIEW® XE

UNINTERRUPTED SMOKE ELIMINATION

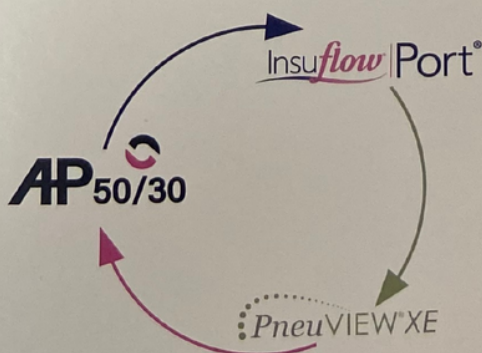
- PneuView®XE is an active smoke eliminator designed for laparoscopic or robotic assisted procedures.
- Variable speeds and turbo valve offer complete control for powerful smoke evacuation and elimination of all harmful contaminants.
- Patented vacuum break eliminates the ability of any suction system to pull an unsafe negative pressure on the patient.
- Quiet, universal operation is controlled from the sterile field for added convenience.

Insuflow®

humidity, warmth, balance

HEATER HYDRATOR

- InsuFlow®, the original gas conditioning technology that heats and humidifies CO₂ gas to 95°F/95% RH.
- InsuFlow® is compatible with the AP 50/30 insufflator to provide the maximum clinical benefit for the patient by preventing intra-operative cooling and cell desiccation from cold dry CO₂ gas.
- Designed to be used on shorter cases where pneumostability and heavy suction/smoke evacuation are not a concern. Insuflow is designed to offer higher flow rates than standard tubing sets however for maximum performance, InsuflowPORT® should be used.

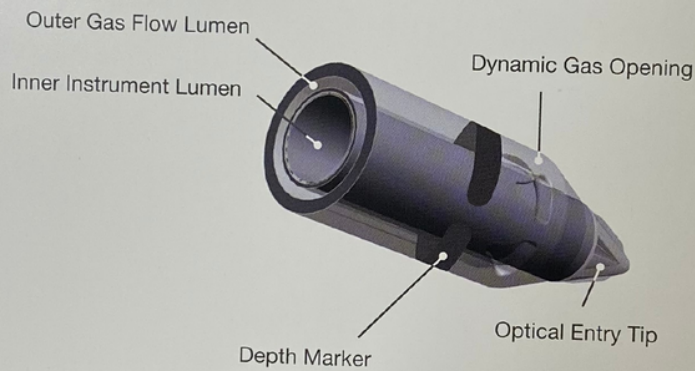


Used Together Creates the Perfect Surgical Insufflation Environment

INSUFLOWPORT® SERIES

The InsuflowPort® design creates a dedicated, separate, unobstructed insufflation gas flow path creating the highest CO₂ gas delivery flow rates available. InsuflowPort® provides consistent velocity and pneumoperitoneum, even with an instrument present. Gas flow is separated to an isolated outer channel diverting gas away from the port tip laterally.

PORT TIP CROSS-SECTION



InsuflowPort® visual obturator
is a standard on all port sizes

The increased rate of gas delivery and radial dispersion along with intra abdominal pressure sensors effectively maintain visualization and abdominal distention throughout the procedure.

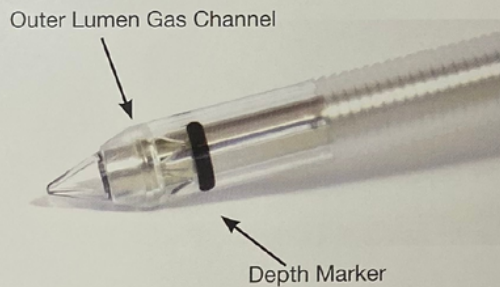


Maintains Pneumostability

95°
Fahrenheit
95%
Humidity



SIDE VIEW OF PORT TIP



Radial gas dispersion maintains visualization and distention throughout the procedure.

- Radial gas dispersion optimizes visualization and increased flow rates
- Flow consistency with Real Time Measurement
- The only conditioning CO₂ gas port (95°F and 95% RH)
- Consistent true real time measurement at the patient for the industry's fastest response time
- Improved clinical outcomes
- Dramatically reduced hypothermia and post-op pain
- Optical entry for direct visualization

Available InsuflowPort Sizes

	Bariatric Sizes							
	5 mm InsuflowPort® 4100-5-XE	8 mm InsuflowPort® 4100-8-XE	10 mm InsuflowPort® 4100-10-XE	12 mm InsuflowPort® 4100-12-XE	5 mm InsuflowPort® 4100-5B-XE	8 mm InsuflowPort® 4100-8B-XE	10 mm InsuflowPort® 4100-10B-XE	12 mm InsuflowPort® 4100-12B-XE
Diameter	5 mm	8 mm	10 mm	12 mm	5 mm	8 mm	10 mm	12 mm
Length	100 mm	100 mm	100 mm	100 mm	130 mm	130 mm	130 mm	130 mm

Don't Just Evacuate,
Eliminate All Toxic Gases,
Vapors and Particulates



PneuVIEW[®]XE

**UNINTERRUPTED
SMOKE
EVACUATION**



PneuVIEW[®] XE Device

Actively evacuates and removes all smoke plume including hazardous gas for a clear view throughout surgery

Variable Speed Smoke Evacuation Device Paired with InsuflowPort[®] provides maximum Pneumostability and Smoke Removal

Conventional smoke evacuators have not been widely accepted because of their inability to quickly clear the smoke and maintain the pneumoperitoneum.

PneuVIEW[®]XE is the only safe versatile disposable active surgical smoke eliminator designed to deliver powerful smoke evacuation while eliminating all harmful contaminants.

PneuVIEW[®]XE protects the surgeon, the OR staff and patients from the long-term effects of smoke exposure and CO poisoning including:

- Headaches
- Shortness of Breath
- Tinnitus
- Abdominal Pain
- Chest Pain
- Nausea / Vomiting

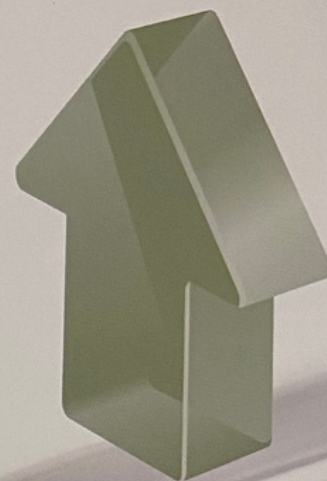
THE **ONLY** SAFE HAZARDOUS SMOKE EVACUATION DEVICE ON THE MARKET THAT MEETS OSHA REQUIREMENTS AND REMOVES 100% OF HARMFUL GASES.

PneuVIEW®XE ACTIVE LAPAROSCOPIC SMOKE EVACUATOR

Eliminates 100% of combustion by-products and surgical smoke generated

A smoke evacuator designed for all existing wall or suction canisters

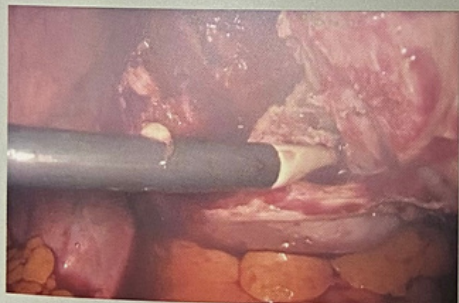
PneuVIEW®XE evacuates 4-15 liters per minute



The average daily impact of surgical smoke to the OR team is equivalent to smoking **27-30** unfiltered cigarettes



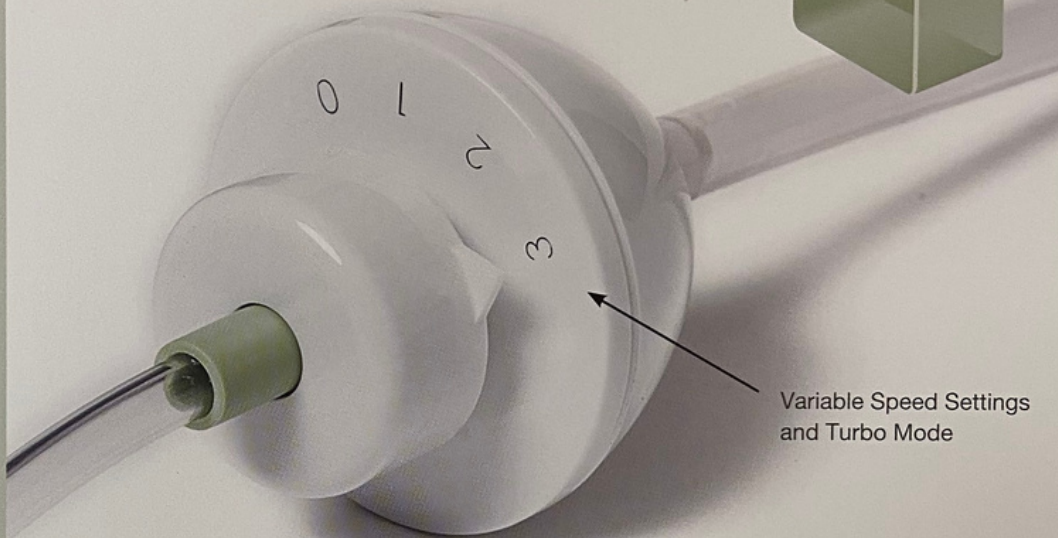
Surgical smoke obscures field of vision.



PneuVIEW®XE eliminates smoke fast.

85%

of surgical procedures involve electrosurgery, and the OR teams spends the majority of their working days breathing surgical smoke



Variable Speed Settings and Turbo Mode

PASSING SMOKE THROUGH A CONVENTIONAL FILTER OR RECIRCULATING SMOKE IS STILL HAZARDOUS

CONVENTIONAL PASSIVE & RECIRCULATING LAPAROSCOPIC SMOKE FILTERS

Recirculating filters expose patients and staff to high levels of hazardous gases

Filtering only capture some particulates and does not remove harmful gases

Passive filters can clog easily and increase cost by requiring multiple filters per procedure

