Dear Valued Customer,

As you may be aware, SAGES recently released their *Recommendations Regarding Surgical Response to COVID-19 Crisis*. As part of those recommendations, they highlighted the risk of virus release during laparoscopy with carbon dioxide and suggested the use of devices to filter released CO₂ for aerosolized particles. Biologic material is a known component of surgical smoke. The aerodynamic size of COVID-19 has been reported in the range of 0.06 – 0.14 μm\(^1\); HIV viruses has been reported as 0.12 μm\(^2\); HPV has been reported as 0.055 μm\(^3\); and Hepatitis C has been reported as 0.06 μm\(^4\) in diameter. Based upon this published data, capture of even these sub-0.1 μm particles is possible.

In order to best serve our customers during these challenging times, CONMED is pleased to offer two solutions that provide continuous active smoke evacuation and filtration for laparoscopic procedures. When used with the AirSeal\textsuperscript{®} iFS, both the AirSeal\textsuperscript{®} Tri-Lumen Tubing (ASM-EVAC1) and Bifurcated Smoke Evacuation Tubing (SEM-EVAC) offer continuous smoke evacuations through a 0.01 μm ULPA filter. While it is possible for abdominal gas to vent out the top of the AirSeal\textsuperscript{®} Access Port and bypass the filter, a similar release of abdominal gas can occur with conventional insufflators and trocars during instrument exchange, instrument manipulation and leaks. Laparoscopic smoke evacuation systems with appropriate filters may reduce the risk associated with surgical smoke exposure, but the complete elimination of risk is practically unrealistic. Patient and provider safety are always of paramount concern for CONMED. We are proud to partner with you to assist in anyway we can to serve your patients and protect medical professionals.

Please refer to the attached AirSeal\textsuperscript{®} System brochure or contact your local CONMED representative with any further questions.

Stay Safe,

CONMED – Advanced Surgical


AirSeal® System

The World’s only intelligent and integrated access system for laparoscopic and robotic surgery, representing a revolutionary transformation of conventional insufflation, trocar, and filtered tubing systems.

To learn more about these and other innovative products, call 800-448-6506 or visit CONMED.com.
AirSeal® iFS

The AirSeal iFS is the World’s first “3-in-1” insufflation management system and features unmatched capabilities in providing a stable pneumoperitoneum, constant smoke evacuation*, and valve-free access.

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<th>Stable Pneumoperitoneum</th>
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<th>High Flow Insufflation</th>
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<tr>
<td>Standard Insufflation Mode</td>
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AirSeal® Access Ports

- Valve-free access to abdominal cavity
- Intact specimen removal
- Unimpeded introduction and removal of needles, clips, sutures, and mesh

LUMEN #1
Facilitates Smoke Evacuation and Filtration

LUMEN #2
Establishes Insufflation and Real Time Pressure Control

LUMEN #3
Creates and Maintains Invisible AirSeal Barrier
AirSeal® Filtered Tube Sets

The AirSeal iFS is capable of operating in three distinct modes, each of which uses a specific filtered tube set to maximize system performance.

AirSeal Mode
Tri-Lumen Filtered Tube Set
- Optimizes gas flow to provide stable pneumoperitoneum
- Facilitates smoke evacuation and filtration with 0.01µ ULPA filter
- Use with AirSeal Access Port

Smoke Evacuation Mode
Bifurcated, Dual-Lumen Filtered Tube Set
- Provides high flow insufflation
- Facilitates smoke evacuation and filtration with 0.01µ ULPA filter
- Use with two conventional trocars

Standard Insufflation Mode
Single-Lumen Filtered Tube Set
- Provides high flow insufflation
- Use with conventional trocars
Use for Robotic and Laparoscopic Surgery

By providing stable pneumoperitoneum, constant smoke evacuation*, and valve-free access to the abdominal cavity, the AirSeal® System has been demonstrated to reduce procedure time, resulting in increased operating efficiency.¹

**SURGEON**

**PROCEDURAL PERFORMANCE**

- Stable Pneumoperitoneum
- Constant Smoke Evacuation*
- Valve-Free Access

**HOSPITAL**

**FISCAL PERFORMANCE**

- Reduced Operative Time¹
- Increased Operating Efficiency¹
- Reduced PACU Time’

Low Pressure Laparoscopy

Data shows that low pressure laparoscopy was previously difficult to accomplish due to the limitations associated with conventional insufflation. AirSeal System’s unique ability to maintain pneumoperitoneum and constantly remove smoke* enables surgeons to operate at lower pressure without compromising exposure.

* Except when in standard insufflation mode.

References:

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<thead>
<tr>
<th>Description</th>
<th>Unit of Measure</th>
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