

# SEE BETTER.<sup>1,†,Ω</sup> BREATHE BETTER.<sup>2,‡</sup> WORK BETTER.

Effectively and efficiently  
remove surgical smoke from  
your laparoscopic procedures<sup>1,§,Ω</sup>



†10 out of 10 surgeons and nurses surveyed after use agreed for active mode the device improved visualization vs. nonevacuation.

‡As compared with non-ULPA filtration or nonevacuation.

§ 9 out of 10 surgeons and nurses surveyed after use agreed for active mode.

Ω8 out of 9 surgeons and nurses surveyed after use agreed for passive mode.

## The Valleylab™ Laparoscopic Smoke Evacuation System

A laparoscopic smoke evacuation device  
offering a dual active and passive mode



**Medtronic**  
Further. Together



DON'T LET  
SURGICAL  
SMOKE  
CLOUD  
YOUR  
JUDGMENT.

Smoke in the surgical field can be a nuisance — or worse. It can obscure your vision, delay procedures, and pose risks to your team.<sup>3</sup> It doesn't have to.

Introducing the Valleylab™ laparoscopic smoke evacuation system. It's an easy-to-use device<sup>1,†,Ω</sup> that efficiently removes smoke<sup>1,†,Ω</sup> from the peritoneal cavity to:

- Enhance your view of the surgical site<sup>1,‡,Ω</sup>
- Improve air quality in the OR<sup>2,§</sup>

†9 out of 10 surgeons and nurses surveyed after use agreed for active mode.

‡10 out of 10 surgeons and nurses surveyed after use agreed for active mode the device improved visualization vs. nonevacuation.

§As compared with non-ULPA filtration or nonevacuation.

Ω8 out of 9 surgeons and nurses surveyed after use agreed for passive mode.

# SAFE, SIMPLE, EFFECTIVE SMOKE REMOVAL<sup>1,†,ΩΩ</sup>

See better.<sup>1,†,ΩΩ</sup> Breathe better.<sup>2,§</sup> That's what the Valleylab™ laparoscopic smoke evacuation system is designed to help you do. It's a flexible, all-in-one device that removes and filters surgical smoke for better visualization and air quality during your procedures.<sup>1,2,†,ΩΩ</sup>



## Simple Setup

The Valleylab™ laparoscopic smoke evacuation system is easy to set up.<sup>1,Ω</sup> It simply connects to a standard luer-lock trocar and a suction or vacuum unit (in active mode only).<sup>§§</sup> During the procedure, it clips to the surgical drape, so it's unobtrusive, and enables customized adjustment to the flow rate.<sup>1,4,††</sup>

## Built-In Fluid Management

The Valleylab™ smoke evacuation system includes a built-in fluid trap that:

- Prevents dripping<sup>5</sup>
- Extends the life of the filter<sup>5</sup>
- Effectively manages moisture<sup>4,5</sup>
- Prevents occlusions of flow due to moisture buildup<sup>4,5</sup>

## Added Efficiency

The Valleylab™ smoke evacuation system removes and filters smoke throughout the entire procedure<sup>1,5,†,Ω,ΩΩ</sup> without:

- The need to manually release or suction built-up smoke<sup>4,6</sup>
- Loss of pneumoperitoneum<sup>4,6</sup>
- The device can be used in either Active or Passive smoke evacuation modes allowing for more flexibility in the OR

## Compatibility for Convenience

The Valleylab™ smoke evacuation system is compatible with<sup>4</sup>:

- Luer-lock trocars (ISO 594-1 and 594-2)
- Laparoscopic insufflation
- Standard medical-grade suction and vacuum systems



†9 out of 10 surgeons and nurses surveyed after use agreed for active mode.  
‡10 out of 10 surgeons and nurses surveyed after use agreed for active mode the device improved visualization vs. nonevacuation.

§As compared with non-ULPA filtration or nonevacuation.

Ω21 out of 21 surgeons and nurses surveyed after use agreed.

††19 out of 21 surgeons and nurses surveyed after use agreed.

§§Does not need to be connected to suction/vacuum unit if Passive mode functionality is in-use.

ΩΩ8 out of 9 surgeons and nurses surveyed after use agreed for passive mode.

## Features and Benefits

**EFFICIENT.**<sup>1,†,‡</sup>  
**EASY TO SET UP.**<sup>1,‡</sup>  
**EASY TO USE.**<sup>1,†,‡</sup>

Removing smoke from your procedures is a breeze with the Valleylab™ laparoscopic smoke evacuation system

**<30 SECONDS**

is how fast the system removes the majority of smoke from the peritoneal cavity<sup>7</sup>



UP TO **14** LITERS

of surgical smoke can be removed per minute in Active mode<sup>4,8</sup>

**2X FASTER**

smoke removal with the Valleylab™ system compared to competitive, passive-evacuation devices<sup>7,5</sup>

**99.999%**

of 0.1 – 0.2 micron particles in surgical smoke are removed by the system's ULPA filter<sup>2</sup>

**CLINICIANS SURVEYED AGREE**

The Valleylab™ smoke evacuation system:

- Improves visualization at the surgical site<sup>1,††,§§</sup>
- Requires minimal setup<sup>1,‡</sup>
- Operates and removes smoke quietly<sup>1,††,ΩΩ</sup>

## Clear Benefits for Going Clear

We've joined forces with AORN to make smoke evacuation as easy as possible. It's called the Go Clear program. Participants in the program qualify for:

- Helpful tools to raise awareness about the dangers of surgical smoke
- Support for taking their facility smoke free
- Special pricing incentives
- Rewards for hospitals that successfully complete the program

**Contact your sales representative to find out more about signing up for the Go Clear program.**

<sup>†</sup>9 out of 10 surgeons and nurses surveyed after use agreed for active mode.

<sup>‡</sup>21 out of 21 surgeons and nurses surveyed after use agreed for active mode.

<sup>§</sup>As compared with the Cooper PlumeAway™, SeeClear™, and Pall Laproshield™ devices.

<sup>Ω</sup>19 out of 21 surgeons and nurses surveyed after use agreed.

<sup>††</sup>10 out of 10 surgeons surveyed after use agreed the device improved visualization vs. nonevacuation.

<sup>‡‡</sup>8 out of 9 surgeons and nurses surveyed after use agreed for passive mode.

<sup>§§</sup>6 out of 9 surgeons and nurses surveyed after use agreed for passive mode.

<sup>ΩΩ</sup>9 out of 9 surgeons and nurses surveyed after use agreed for passive mode.

Know the risks of surgical smoke

# FOR YOUR PATIENTS. FOR YOUR STAFF. FOR YOURSELF.

Let's protect the 500,000 healthcare workers who are exposed to surgical smoke every year<sup>9,10</sup>

More than **150 hazardous chemicals** have been identified in surgical smoke.<sup>11,12</sup> And it's estimated that, in a single day, your OR could produce surgical smoke equivalent to as many as **30 cigarettes**.<sup>13</sup>

When healthcare workers are exposed to those kinds of hazards, they face risks including<sup>14</sup>:

- Nose, throat, and eye irritation
- Chronic bronchitis
- Carcinoma



## Reduce the risks.

The Valleylab™ laparoscopic smoke evacuation system is designed to help protect perioperative staff from surgical smoke.<sup>2</sup>



# Clear your OR of surgical smoke.

For more information about the  
Valleylab™ laparoscopic smoke  
evacuation device, call 800-722-8772

Visit us at  
[medtronic.com/valleylab-lap-smoke-evac](https://www.medtronic.com/valleylab-lap-smoke-evac)



## ORDERING INFORMATION

CODE	DESCRIPTION	QUANTITY
SEL7010	Valleylab™ Laparoscopic Smoke Evacuation System	10 each/case

1. Based on internal test report #RE00139506 rev A, Bourbon: Valleylab™ laparoscopic smoke evacuation system nurses and surgeons claims report. March 12, 2018.
2. Based on the manufacturer report #PR-17003 rev A, ULPA filtration. Jan. 12, 2018.
3. da Silva RD, Sehart D, Molina WR, Moss J, Park SH, Kim FJ. Significance of surgical plume obstruction during laparoscopy. *JLSLS*. 2014;18(3).
4. Based on the manufacturer product specification form DC #2018-117 for Valleylab™ laparoscopic smoke evacuation system. Jan. 31, 2018.
5. Based on the manufacturer test report #PR-17002 rev A, Filter life expectancy. Feb. 26, 2018 (Applicable to SEL7010).
6. Based on internal report #RE00142514 rev A, Bourbon: Valleylab™ laparoscopic smoke evacuation system summative usability validation with nurses and surgeons, human factors. March 1, 2018.
7. Based on the manufacturer report #PR-18001 rev A, Filter visualization. Feb. 28, 2018.
8. Based on the manufacturer memo, Adjustment of maximum flow specification from 12 liters per minute to 14 liters per minute on the SEL7000A laparoscopic smoke evacuation device. Feb. 14, 2018 (Applicable to SEL7010).
9. Ball K. Surgical smoke evacuation guidelines: compliance among perioperative nurses. *AORN J*. 2010;92(2):e1–e23.
10. Laser/Electrosurgery Plume. Occupational Safety & Health Administration Website. <https://www.cdc.gov/niosh/nioshtic-2/20038217.html>. September 2020.
11. Pierce JS, Lacey SE, Lippert JF, Lopez R, Franke JE. Laser-generated air contaminants from medical laser applications: a state-of-the-science review of exposure characterization, health effects, and control. *J Occup Environ Hyg*. 2011;8(7):447–466.
12. Hollmann R, Hort CE, Kammer E, Naegle M, Sigrist MW, Meuli-Simmen C. Smoke in the operating theater: an unregarded source of danger. *Plast Rec Surg*. 2004;114(2):458–463.
13. Hill DS, O'Neill JK, Powell RJ, Oliver DW. Surgical smoke—a health hazard in the operating theatre: a study to quantify exposure and a survey of the use of smoke extractor systems in UK plastic surgery units. *J Plast Reconstr Aesthet Surg*. 2012;65(7):911–916.
14. Alp E, Bijl D, Bleichrodt RP, Hansson B, Voss A. Surgical smoke and infection control. *J Hosp Infect*. 2006;62(1):1–5.

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5920 Longbow Drive  
Boulder, CO 80301

800.722.8772

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