

# PROTECT

YOURSELF, YOUR TEAM AND YOUR PATIENTS

## FROM SURGICAL SMOKE

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SanSmog®

LAPAROSCOPIC SMOKE EVACUATION SYSTEM

# What is SURGICAL SMOKE?

Surgical smoke is produced by lasers or electrosurgical devices used for the thermal destruction of tissue. Surgical smoke is a nuisance because it has a repulsive odour and it obstructs the surgeon's view of the surgical site. Surgical smoke contains :

**Toxic Gases • Vapours and particulates • Viable and Non-viable cellular material • Viruses • Bacteria**

Surgical smoke from lasers also transmits human papillomavirus (HPV)<sup>4</sup>. Over half a million healthcare workers including surgeons, nurses, surgical technologists, and others are exposed to surgical smoke annually<sup>2</sup>. Acute health effects of such exposure<sup>1,2,3,5</sup> include:

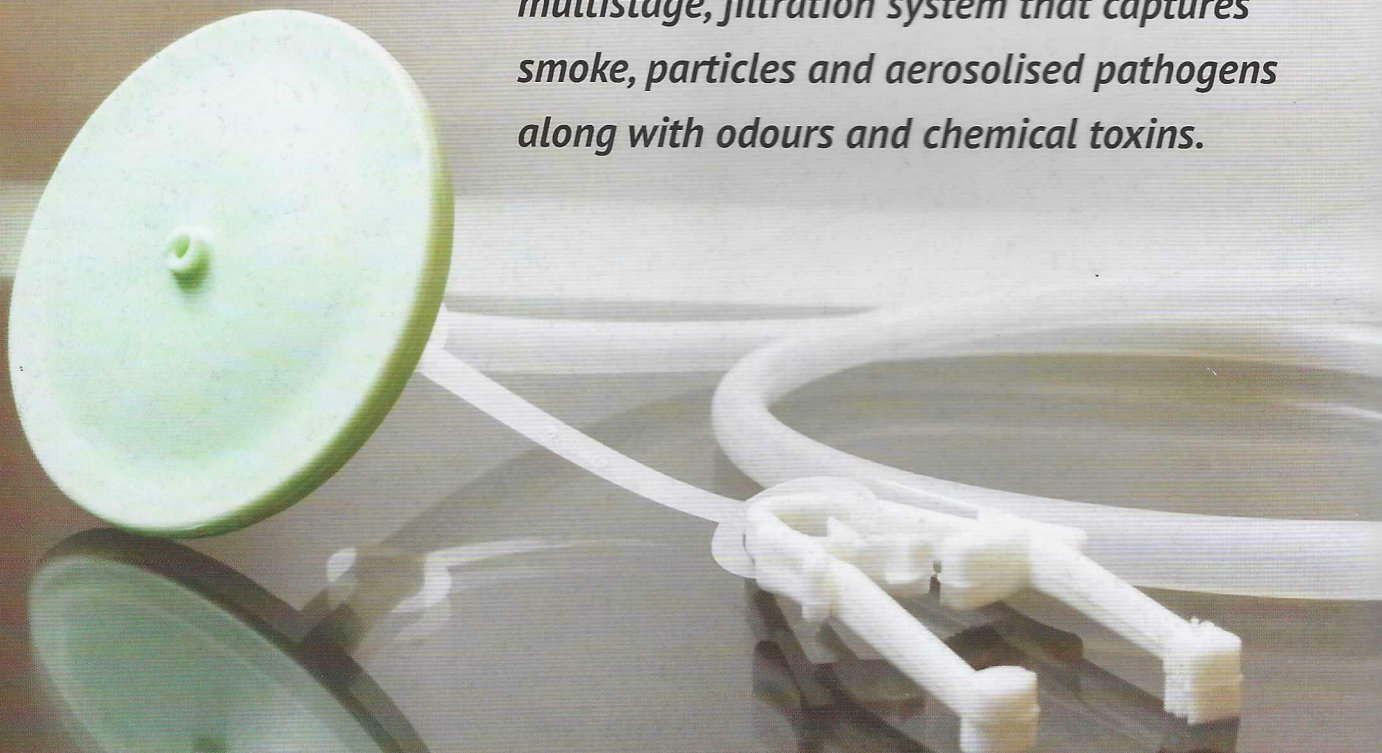
**Eye, Nose and Throat irritation • Headache • Cough • Nasal Congestion • Asthma and asthma-like symptoms**

Therefore, healthcare workers must take measures to ensure safety and the surgical smoke evacuation system enables them to do just that.

# SanSmog®

## LAPAROSCOPIC SMOKE EVACUATION SYSTEM

*The SanSmog® Laparoscopic Smoke Evacuation System is a disposable, passive, multistage, filtration system that captures smoke, particles and aerosolised pathogens along with odours and chemical toxins.*





# better clarity and air quality during surgery

*Evacuate surgical smoke from your procedures with the SanSmog® laparoscopic smoke evacuation system.*

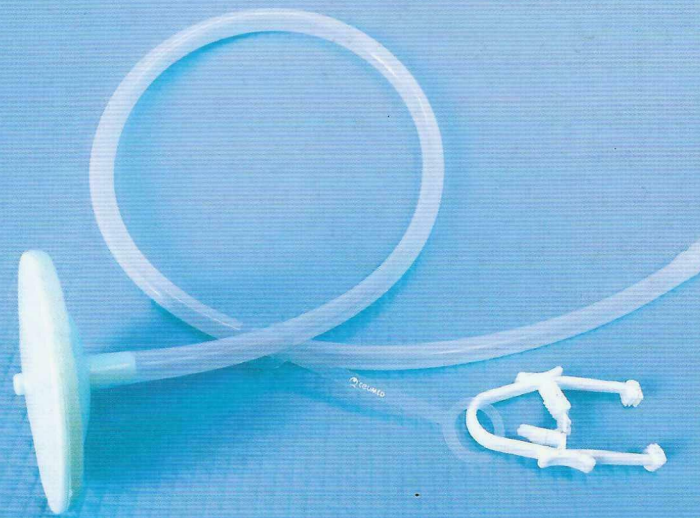
**MAINTAINS  
CLEAR FIELD  
OF VISION**

**TRAPS  
AEROSOLISED  
PATHOGENS**

**ABSORBS ODORS  
AND CHEMICAL  
TOXINS**

**NO STAFF  
INVOLVEMENT  
AFTER EASY SET UP**

**SAFE & EFFECTIVE SMOKE REMOVAL**



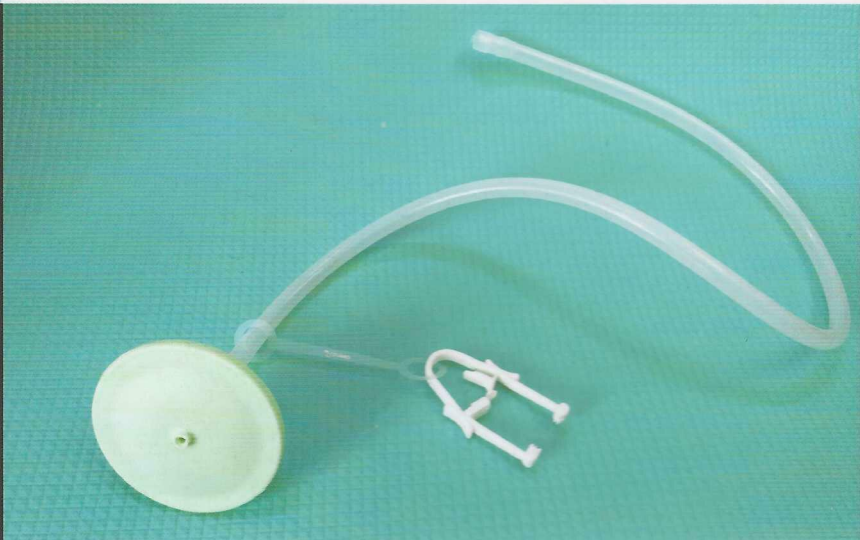
**REMOVES 99.995%  
OF 0.1 MICRON PARTICLES  
(AEROSOLISED)**

**NO  
VACUUM PUMP  
IS REQUIRED**

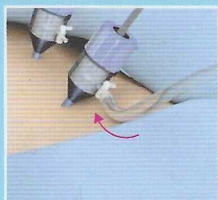
**NO  
EXTRA TUBING  
NEEDED**

# SanSmog®

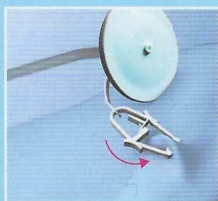
LAPAROSCOPIC SMOKE  
EVACUATION SYSTEM



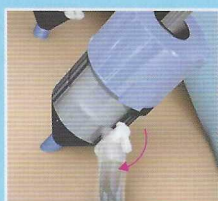
## SIMPLE SET UP



1. Attach **SanSmog®** to the side port of the trocar that is largest and closest to the source of smoke.



2. Position **SanSmog®** filter facing away from the surgery site. Secure it to the surgical drape at a level elevated above the trocar.



3. Open the side port of the trocar to its full open position before smoke or mist is created.

## PRODUCT SPECIFICATIONS

|                    |  |
|--------------------|--|
| Product Code       | 30-2010  |
| Maximum Flow Rate  | 8.0 Liters/min at 15 mmHG pressure differential  |
| Connector          | Acrylic Standard Luer  |
| Tubing             | 75cm length, PVC/Silicone  |
| Filter Casing      | Medical Grade Polypropylene  |
| Filter Material    | Deodorization - Activated charcoal<br>Filtration - ULPA Grade Hydrophobic Glass Microfiber |
|                    | Efficiency - 99.995% of 0.1 micron particles (aerosolized)                                 |
| Drape Clip         | Medical Grade Polypropylene  |
| Double Loop Tether | Polycarbonate  |



STERILE EO



## ORDERING INFORMATION

| CODE    | DESCRIPTION                         | QUANTITY     |
|---------|-------------------------------------|--------------|
| 30-2010 | LaparoscopicSmoke Evacuation System | 10 each/case |

### REFERENCES:

1. Brenda C Ulmer, The hazards of Surgical Smoke 2008 Apr;87(4):721-34
2. OSHA - Electro Surgery Plume
3. DHHS(NIOSH) Publication Number 96-128. Control of Smoke from Laser/Electric Surgical Procedures
4. Hallmo, P., Naess, O. Laryngeal papillomatosis with human papillomavirus DNA contracted by a laser surgeon. Eur Arch Otorhinolaryngol 248, 425-427 (1991). <https://doi.org/10.1007/BF01463570>
5. Ball Key 2010. Surgical Smoke Evacuation Guidelines: Compliance Among Perioperative Nurses

