



Revolutionary laparoscopic
surgical smoke control

Maximise Efficiency
Minimise CO₂
Eliminate Smoke



Seeing is believing



Revolutionary laparoscopic surgical smoke control

ENHANCED VISUALISATION ¹

Clinically proven to actively eliminate smoke, without the need for venting or extraction, whilst limiting patient CO₂ exposure, maintaining a stable pneumoperitoneum and reducing delays in surgery.



IMPROVED
VISIBILITY



LESS CAMERA
CLEANING

 ULTRAVISION™ OFF



 ULTRAVISION™ ON



>85% – No camera cleaning needed ²

Seeing is believing



alesi
surgical

REDUCED CO₂ EXPOSURE ¹

- Reduction in CO₂ consumption
- Minimise effects of excessive cold, dry CO₂ exposure³



CO₂ SPARING



FACILITATES
LOW PRESSURE

ZERO GAS EXCHANGE

- Maintains constant pneumoperitoneum
- Enables low pressure surgery²

ENHANCED SURGICAL EFFICIENCY AND OUTCOMES ¹

- Optimise surgical accuracy and focus
- More predictable surgery time



FEWER
PAUSES



NO SMOKE
RELEASED

NO SURGICAL SMOKE RELEASED INTO OPERATING ROOM ¹

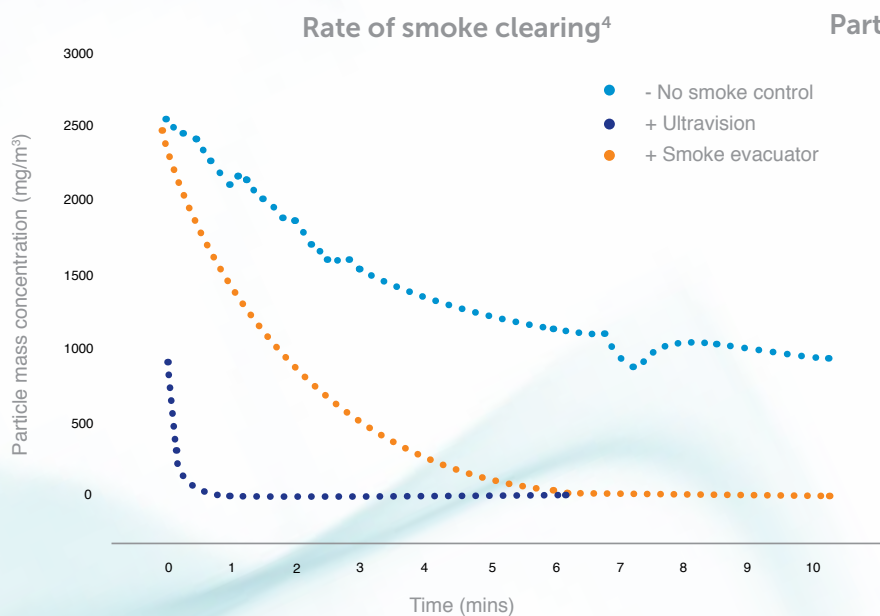
- Improved health & safety of theatre staff
- 0% surgical smoke released

MODE OF ACTION

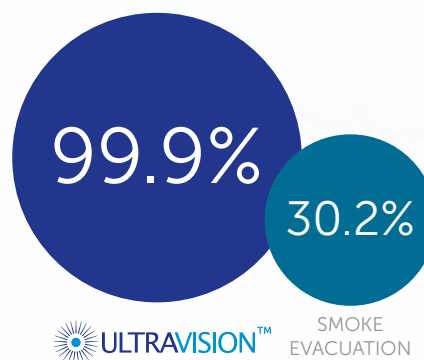
- Ultravision™ emits negative gas ions
- Negative ions move towards positive patient tissue
- Negative ions collide with smoke particles
- Particles electrostatically attracted to patient tissue
- Particles land and charge flows back to generator












Benefits summary

Patient	Clinical	Healthcare Provider
Improving safety for patient by preventing visual impairment.	Reducing duration of procedure.	Cost savings due to: <ul style="list-style-type: none"> • Reduced operating time • Reduced CO₂ consumption • Reduced requirement for laparoscopic camera cleaning systems. • More predictable surgery time
Minimising CO ₂ exposure which can cause: <ul style="list-style-type: none"> • Post-surgical adhesions • Cooling • Acidosis • Pain 	Improving quality and efficiency of the operating room.	Improving staff health and safety.
Reducing operation and anaesthetic time.	Eliminating release of surgical smoke into the operating room.	Improving quality and efficiency of the operating room.
Possible to operate at lower pressure	Stable pneumoperitoneum	Additional revenue generation
	Reducing interruptions and distractions in surgery caused by visual impairment.	



Particle clearance after 1 minute of use⁴



Order Number	Description		Order Number	Description	
DAD-001-015	Ultravision™ System		DAD-001-024	Battery Recharging Station and Power Supply Unit*	
DAD-001-006	Patient Return Adaptor 0.75m (SOLID)*		DSD-001-035	Power Supply Unit	
DAD-001-007	Patient Return Adaptor 0.75m (SPLIT)*		DSD-001-034	Battery (x2)*	
DAD-001-029	Patient Return Adaptor 1.5m (SOLID)		DAD-004-012	Mains converter	
DAD-001-030	Patient Return Adaptor 1.5m (SPLIT)		DAD-001-003	Ionwand™ Pack (x10)	
DAD-001-031	Patient Return Adaptor (Euro Connector)		DAD-003-014	Ultravision™ 5mm Trocar (x6)	

*Included in Ultravision™ System part number DAD-001-015

References

1. Ansell et al : Surgical Endoscopy : 26 Feb 2014 : Electrostatic precipitation is a novel way of maintaining visual clarity during laparoscopic surgery : a prospective double-blind randomised controlled pilot study
2. Levine et al : Manuscript in preparation
3. Ambulatory Surgery : 16.2 July 2010: Veekash et al; Carbon Dioxide pneumoperitoneum, physiologic changes and anaesthetic concerns
4. Alesi Surgical; data on file

Cardiff Medicentre | Heath Park | Cardiff CF14 4UJ | UK
+44 (0) 29 2029 1022 | info@alesi-surgical.com | www.alesi-surgical.com