

THE BEST MARKET REACTION  
TO A SAFER SURGERY



## Technical specifications

### Pneumatics

- CO2 gas supply system .....US 7/16" connector
- Pressure range .....CO2 bottle : 10 to 60 Bars  
..... Central gas wall supply : 3,5 to 4 Bars
- Maximum flow .....20 to 45 L/min in high flow (depending on the model)  
.....2 L/min in low flow
- Pressure set .....0 to 25 mmHg (Accuracy: 1 mmHg)
- External desufflation valve

### Interface

- 5.7-inch LCD screen showing .....actual flow, intra-cavity pressure, blow-off pressure, total volume of CO2 used and low levels in the cylinder
- Thumbwheel navigation and validation system

### Power supplies

- Types of power supply .....100-230 V AC 50-60 Hz
- Protection by fuses .....2 x 2.5 AT – 250V time-lag fuses - UR
- Power used .....75VA

### Regulatory

- Comply with the European standard 93/42/EEC - Class IIa
- Comply with the international standards IEC 60601-1; IEC 60601-2-18 ; IEC 60417 and EN 980
- Electrical safety .....Class 1

### Delivered accessories

- Main power cable
- Open-ended spanner intended for CO2 high-pressure feed hose connector
- Extended CO2 filter for high pressure hose

ART. N°	DESCRIPTION
S_640_4002	45 L insufflator
S_640_3005	30 L insufflator
S_640_2002	20 L insufflator
S_607103L	Sterile single use insufflations tubing
Flexible hoses and other accessories : please contact us.	

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 (5) Health Canada  
 (6) Verdaasdonk (Surgery endoscopy 2007)

A new generation of insufflators

Unique  
Safer  
Smarter



Auto/Manu  
commutation

HIGH FLOW  
45 L/min

CO<sub>2</sub>

P= 12mmHg

REMAINING TIME : 45 min.

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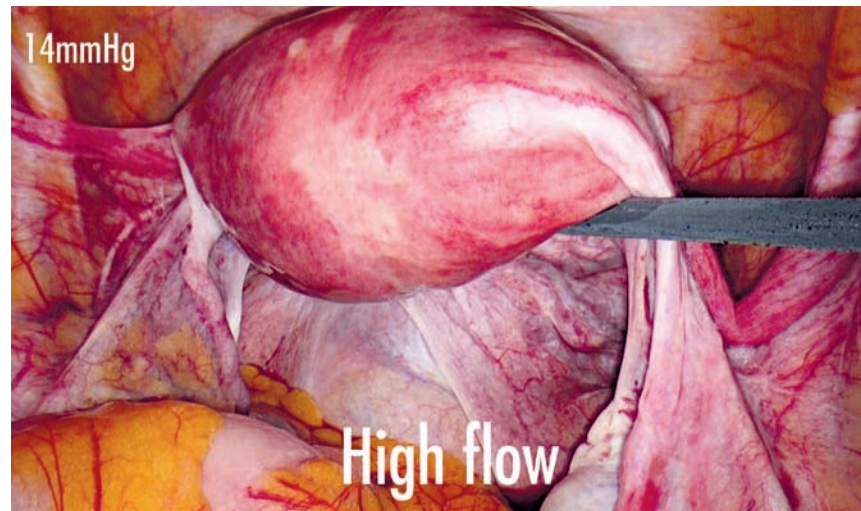


# UNIQUE

A wave of innovations makes this range quite unique

## → Intelligent Connections System **icons**

This new feature links the Sopro 397 Full HD camera to the Sopro 640 insufflator and grants you more independence. You drive the insufflator from the camera head and have all controls at your fingertips within the sterile area. You save OR time and medical staff resources as you work autonomously.



Information of abdominal pressure is permanently displayed on screen allowing you to fully focus on the monitor.

*"I can stop the insufflator during my Colon resection and start again after my anastomosis without looking for my staff (1)."*

## → Autonomy



This patented<sup>(2)</sup> feature displays in minutes the remaining level of insufflation according to the CO2 level of the tank. This precious information will reassure the medical team and avoid last minute tank change.

*"I will not start a procedure if the remaining time in min. of gas is insufficient (3)."*

# SAFER

Security of the patient is the key word with this new generation

## → No loss of pressure



*"The great reactivity to compensate the massive gas leakages (aspiration) allows to avoid the collapse of the pneumoperitoneum which is always dangerous in case of bleeding (4)."*

The power and the reactivity of this insufflator will avoid you these delicate situations.

## → No Cross contamination

*"Contamination of the internal gas circuit of the insufflator with liquids or gases from the patient cavity creates a potential hazard of cross infection (5)."*

The external pressure relief valve will protect your patient from cross contamination.



## → No mis-programming



*"50% of problems encountered with insufflators are due to connection errors and 50% to programming errors (6)."*

Each time you select an abdominal pressure above 15 mmHg, the insufflator displays a message of confirmation.

# SMARTER

And so many advantages that make the difference

## → Intelligent

The Sopro 640 can make the difference between overpressure and obstructed tubing. In the latest case, a clear message will immediately be displayed to warn the medical team.

## → Friendly use

The Sopro 640 is equipped with a purge function allowing the medical staff to safely disconnect the high pressure hose from the CO2 tank.

## → Clear

To maintain the Sopro 640 at its best level of performances, the number of surgeries left before preventive maintenance is clearly displayed. It helps you optimizing your surgery schedules.

## → Clever

To ease the work of the medical staff, the Sopro 640 automatically adjusts the flow rate to reach the pressure set.

## → Easy

The Sopro 640 can simply switch from gas wall supply to tank - and vice versa - without any further adjustments.

