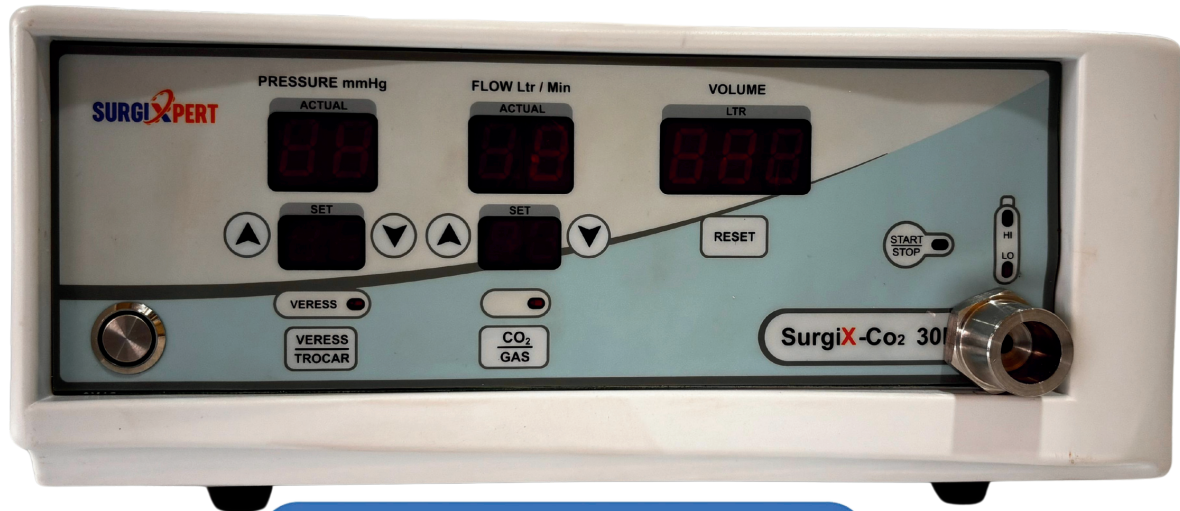


**SurgiX-CO<sub>2</sub> 30L**

# SurgiXpert CO<sub>2</sub> INSUFFLATOR



## INDUSTRY LEADING FEATURES



**BUILT-IN CO<sub>2</sub> WARMER**



**HIGH CO<sub>2</sub> FLOW**

**AIR** 

**AIR MODE**



**BUILT-IN PRESSURE REGULATOR**



**BUILT-IN PRESSURE SAFETY SYSTEMS**

## SAILENT FEATURES

AND MANY MORE...

- Wide Input Voltage Compatibility (100 – 260V AC) for flexible operation in various setups
- Closed-Loop Feedback Control System ensures consistent performance and precision
- Auto-Restore Memory retains last used pressure, flow, and volume settings after restart
- Integrated CO<sub>2</sub> Warmer prevents fogging and maintains clear visibility during procedures
- Stable Abdominal Pressure Management enhances surgical efficiency and patient safety
- Ergonomic and Functional Design for seamless user experience
- Built-in Advanced Safety Protocols ensure safe operation at all times
- Fast-Acting Gas Delivery Mechanism enables immediate insufflation response
- High-Accuracy CO<sub>2</sub> Volume Sensing for real-time monitoring and adjustment
- Automatic Overpressure Protection System with release mechanism for added safety

## SOFTWARE FEATURES

- Integrated software-based calibration ensures automatic adjustment of pressure and flow upon system activation.
- An intelligent pressure release mechanism prevents abdominal over-inflation by regulating excess pressure.
- Equipped with a specialized heating mechanism that maintains consistent temperature, minimizing the cooling effect of high-flow insufflation and reducing lens fogging on the telescope.

## ADVANCED FLOW CONTROL

- Offers dynamic and highly adaptable flow control for safe and accurate CO<sub>2</sub> delivery tailored to patient requirements.
- Ensures precise measurement of both CO<sub>2</sub> volume and flow for optimal performance.
- Operates efficiently within a pressure range of 4 to 30 mm Hg, maintaining procedural reliability.

## SAFETY

- Built-in mechanism maintains constant CO<sub>2</sub> pressure for system stability.
- Incorporates a rapid-response release system that activates immediately when the actual pressure exceeds the predefined threshold, enhancing patient and equipment safety.

## TECHNICAL SPECIFICATIONS

### PNEUMATICS

- Gas Type: Medical-grade CO<sub>2</sub>
- CO<sub>2</sub> Supply Interface: UNF 7/16"
- Insufflation Pressure Range: 4 – 30 mm Hg ( $\pm 1$  mm Hg accuracy)
- Flow Rate Range: 1 – 40 L/min (continuous)
- Safety Mechanism: Integrated overpressure release valve
- Output Connection: Compatible with 6 to 7 mm ID tubing

### INTERFACE

- Display: 7-Segment LED display for enhanced visibility
- Controls: High-reliability membrane buttons

### POWER SUPPLY

- Input Voltage: 110V / 230V AC  $\pm 15\%$ , 50 – 60 Hz
- Fuse Protection: 5A
- Power Consumption: Nominal – 20W | Maximum – 125W

### MECHANICAL DESIGN

- Enclosure Material: Durable metal body
- Dimensions: 260 mm (L)  $\times$  290 mm (W)  $\times$  105 mm (H)
- Net Weight: Approx. 4 kg

## ACCESSORIES



**HIGH QUALITY AC POWER CORD (1.5MTRS)**



**HIGH QUALITY STAINLESS-STEEL BRAIDING HOST PIPE  
(FOR DIRECT CONNECTION WITH CYLINDER)**



**HIGH QUALITY SILICONE PIPE FOR CONNECTING TROCAR**



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