



Shree Saraswati Surgical offer quality range of **Co2 Insufflators**, manufactured using the highest quality materials available in the market. These are precision engineered products, which are widely used in **laparoscopic surgeries**. These ensure stable pressure and flow parameters throughout the procedure.

Shree Saraswati Surgical manufacture high grade **Co2 Insufflators**, which offer highly accurate and precise pressure and flow measurement and control. Their built-in insufflation program acquires perfect insufflations, which render comfort and safety to the patients. These co2 insufflators are made using the microcontroller-based technology.

Salient Feature:

- ◆ Functional and user-friendly design.
- ◆ Compact & light weight.
- ◆ Various safety features & meets quality standards.
- ◆ Rapid delivery of gas & provide immediate response for all procedures.
- ◆ Advance high speed micro controller technology, allow greater accuracy & measurement of co2.
- ◆ Trocar & verrles modes.
- ◆ Over pressure alarm & pressure release systems, help assure patient safety.
- ◆ Separate digital display for actual value and set value of pressure and flow rate.
- ◆ Display for actual gas consumption & temperature.

Performance Features:

Software:

Microcontroller based technology to initiate calibration of pressure and flow of system when insufflator is turned on.

- ◆ Software controlled pressure release mechanism to prevent excess pressure build up in abdomen.

Inbuilt gas warmer:

- ◆ Shree Saraswati Surgical's co2 insufflator has unique heating systems that provide a constant temperature for the co2 to reduce the chill effect of high flow insufflation & lenses telescope fogging.

Advanced flow control:

Shree Saraswati Surgical's co2 insufflator is highly adaptable advanced flow control insufflation for precise and safe gas flow to meet patient requirement

- ◆ Better precision for measurement of volume & flow of co2.
- ◆ Shree Saraswati Surgical's co2 has pressure range from 4 to 30 mm hg.

Safety:

Special feature that assures a constant pressure of the co2. If actual pressure is more than set pressure, the system offers a rapid & instantaneous release over pressure preventing any contamination of the insufflator.

Gas error indicator:

Systems indicate unavailability of gas by audio & visual alarm.

Technical specification:

Pneumatics:

- ◆ Gas : CO2 (medical).
- ◆ C02 gas supply systems : unf 7/16".
- ◆ Input pressure min. To max. : 2 to 3 bar.
- ◆ Insufflation pressure min. To max. : 4 - 30 mm h (to an accuracy of 1 mm hg).
- ◆ Flow rate min to max. : 1 to 20 ltrs /min (model - c02 -2000). : 1 to 30 ltrs /min (model - lc02 - 3000).
- ◆ Internal over pressure release valve.
- ◆ Output connection - 6 to 7 mm id tube.