

# HIGH FLOW CO2 INSUFFLATOR

Model: MCO - 001



*Minimal Access Surgery & Endoscopy*

## Special Features

- Closed Loop Pressure control Technology for Safety
- Fully Microcontroller controlled operation.
- Highly accurate German pressure sensor
- Highly accurate Noiseless Operation valve US make

**MY Medsys**

[www.mimedisys.com](http://www.mimedisys.com)

## Special Features

- Controlled insufflations of maximum 20 liter of gas per minute.
- Exact indication of actual intra-abdominal pressure, actual flow rate and volume of the gas consumed.
- Automatic compensation for gas loss during a procedure.
- Smooth, durable buttons.
- Automatic cut off when abdominal pressure exceeds set pressure.
- Continuous Flow according to international standards to avoid fogging. Due to continuous flow refilling of CO2 in abdomen is fast and low pressure is safely maintained even at high flow rate.
- Flow indicating LED.
- Start/Stop Switch.
- Double stage, Double guage regulator. One Guage will display the cylinder pressure and the other one indicates the pressure input to the Insufflator.
- Insufflator on/off switch.
- Buzzer to indicate the gas flow cut off.
- Highly accurate Noiseless Operation valve US make
- Imported On/Off valve for ideal operation.
- Highly accurate German Make pressure sensor.
- Very much compact, portable, light weight.
- Reset button for resetting the machine at any time so that the display showing the gas volume consumed will reset to 0 liters and set pressure displays 12mmHg, set flow rate shows 4 l/min.
- Program button will be programmed in the factory for the most commonly used pressure and flow rate settings so that by pressing this button user can directly switch to the most common settings.
- **Closed Loop Pressure control Technology for Safety :**  
It always compares the set point to the system pressure, as mentioned by the onboard pressure transducer. As the external pressure increase or decrease, the control board will proportionally open either the inlet or exhaust valves depending on the difference between the command signal & the set point. This comparison continues until the main power switch is turned off.
- Fully Microcontroller controlled operation.

### Specifications

#### ▶ Digital Display of

1. Set Pressure : 0 - 20 (mmHg)
  2. Abdominal Pressure (mmHg) : At Actual
  3. Set Flow Rate : 0 - 20 (l/min)
  4. Actual Flow Rate (l/min) : At Actual
  5. Volume of Co2 gas consumed : 0 - 99 (Liters)
- ▶ Voltage : 170 V - 260 V
- ▶ Max Co2 Flow Rate : 20 L

#### ▶ Veress Mode

Flow rate for CO2 : 3 - 4 lts per min

#### ▶ Alarm Function

: Audio alarm for overpressure & reduction In CO2 cylinder pressure

#### ▶ Dimensions

: 250 mm X 265 mm X 112 mm

#### ▶ Power

: 60 Watts

#### ▶ Weight

: 3 Kgs Appx

### Accessories

Silicon tube, luer lock, regulator, PU tube, Mains Cord are provided