CONMED

GS2000
CO$_2$ Insufflator

Reusable In-Line Warmer System

Insufflation Tubing Set

CPS™ Tubing Set

Medical Grade CO$_2$ gas is used for insufflation. Gas is delivered to the insufflator from CO$_2$ cylinders or from a central supply wall source located in each operating room. A high pressure hose is easily connected to the supply source and to the rear of the insufflator.

After connecting the hospital grade power cord to rear of unit and to a properly grounded power source, turn on the main power switch at the rear of the unit as shown.
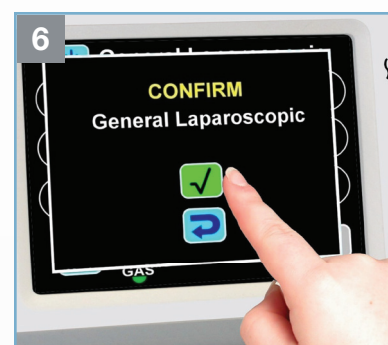
3 Activate power to the unit by touching the front of the LCD screen. Prior to activation, the LED on-off indicator located at the lower left of the screen is "blue".
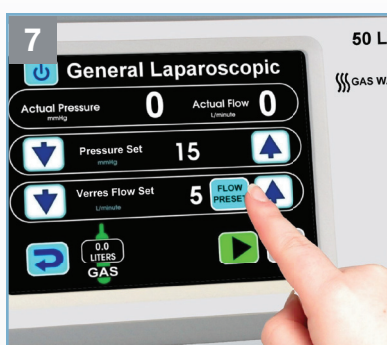
4 Once the LCD screen is activated, the LED on-off indicator located at the lower left of the screen turns "green". The insufflator will now complete a very brief self-diagnostic check.

5 After the self-diagnostic check is completed, the "Select Operating Mode" screen will appear. The user will need to choose from 5 different modes:
- General Laparoscopic
- Bariatric
- Pediatric
- Vessel Harvest
- Custom

Select Operating Mode
General Laparoscopic
Bariatric   Pediatric
Vessel Harvest
Custom

6 Once the appropriate operating mode is selected, the user must confirm the selected mode.

CONFIRM
General Laparoscopic

7 The operating mode screen appears displaying preselected Pressure and Flow rates. Factory set defaults can be used or new user preferences can easily be stored using the "Set-Up Menu." Easy toggling through Verres, High and Maximum Flow settings are made using the "Flow Preset" icon.

General Laparoscopic
Actual Pressure 0   Actual Flow 0
Pressure Set 15
Verres Flow Set 5   FLOW PRESET

8 Using the "Up and Down" arrows allows for pressure and flow adjustments at any time.

General Laparoscopic
Actual Pressure 0   Actual Flow 0
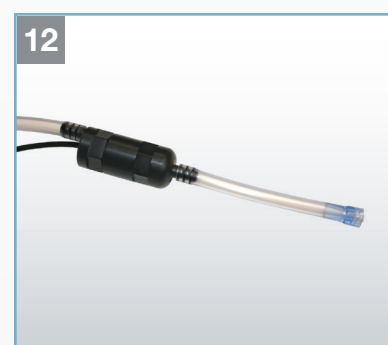Pressure Set 15
Verres Flow Set 5   FLOW PRESET

9 Prior to use, the disposable, filtered insufflation tubing set needs to be connected as shown.

10 If "Continuous Pressure Sensing" is required, the disposable, filtered CPS™ tubing set is connected. CPS™ is essential to insure rapid recovery of any lost intra-abdominal pressure, reducing the breathing effect of the abdominal surface and for totally uninterrupted pressure monitoring. CPS™ is highly recommended for pediatric laparoscopy.*

11 Warming the CO$_2$ gas can help to reduce postoperative patient pain, reduce PACU recovery time and reduce fogging of the laparoscope.* A reusable In-Line Gas Warmer is available and is easily connected to the front panel of the insufflator as shown.

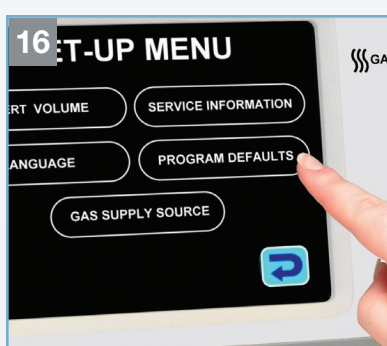**12** The In-Line Warmer is connected 3-4 inches from the distal end of the tubing.

13 To initiate gas flow for insufflation, depress the green arrow as shown. The insufflator will deliver gas to maintain the desired pressure.

General Laparoscopic
Actual Pressure 0
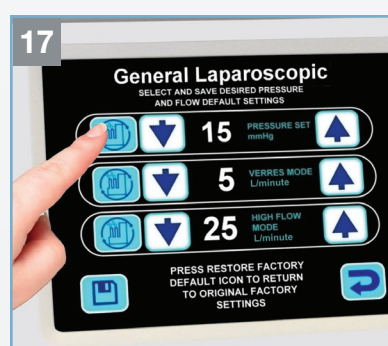Pressure Set 15
Verres Flow Set 5   FLOW PRESET

14 To stop the flow of gas, depress the orange "stop" button. The flow of gas is now paused. To start gas flow again, simply depress the green arrow.
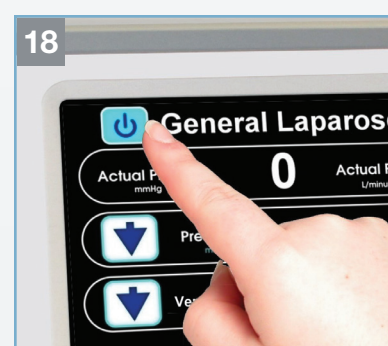
General Laparoscopic
Actual Pressure 0   25
Pressure Set 15
High Flow Set 25   FLOW PRESET

15 The user can access the set-up menu at any time by depressing the SET-UP MENU icon located in the lower left corner of the screen.

Select Operating Mode
General Laparoscopic
Bariatric   Pediatric
Vessel Harvest
Custom

16 SET-UP MENU
ALERT VOLUME   SERVICE INFORMATION
LANGUAGE   PROGRAM DEFAULTS
GAS SUPPLY SOURCE

The "Set-Up Menu" allows adjustments to:
- 5 Alert Volume levels
- 14 Language choices
- Viewing Service Contact Information
- Operating Mode Default
- Gas supply options

17 General Laparoscopic
SELECT AND SAVE DESIRED PRESSURE AND FLOW DEFAULT SETTINGS
15
5   VERRES MODE
25   HIGH FLOW MODE
PRESS RESTORE PRESSURE DEFAULT ICON TO RETURN TO ORIGINAL FACTORY SETTINGS

Default settings can be changed and stored while in the "Program Defaults" screen. Restoring the factory defaults can be done by depressing the "Restore Factory Default" icon as shown.

18 General Laparoscopic
Actual Pressure 0   Actual Flow

When finished using the GS2000 insufflator product, depress the POWER DOWN icon located at the upper left side of the screen. To re-start the unit, see step #1.

Specifications

50L Insufflator Console (GS2000)

Dimensions:	12 in. (w) x 6 in. (h) x 12 in. (d) (305 x 153 x 305 mm)
Weight:	11.5 lbs. (4.3 kg)
Input Voltage Range:	90-240 VAC, 50-60 Hz
Protection Class:	Class I, Type B Applied part
Electrical Leakage:	100 micro amps maximum

CO$_2$ Warmer (GS1012)

Gas Temperature:	95-106°F (non-adjustable) (35-40°C)
Dimensions:	1.0 in. (d) x 3.4 in. (l)
Weight:	2.0 oz. (56g)

Certifications

UL 60601-1
CAN/CSA C22.2 NO. 601.1
IEC (EN) 60601-1 IEC (EN) 60601-1-2

CAUTION: This guide is not a replacement or substitute for the ConMed GS2000 operator's manual. Please be sure to read and understand the GS2000 operator's manual thoroughly before using the insufflator.

Ordering Information

Description	Catalog Number	Description	Catalog Number
50L Insufflator	GS2000	Insufflation Tubing Set, disposable, CPC/Luer, w/filter	GS1016
Hose and Yoke for CO$_2$, E-Tank, 4 ft.	GS1052	Insufflation Tubing Set, disposable, Luer/Luer, w/filter	C7010**
Dual Tank Shuttle Valve System	GS2050	Insufflation Tubing Set, disposable, IEC/Luer, w/filter	C7011**
CO2 Warmer, in-line, reusable	GS1012	CPS Tubing Set, disposable, w/filter	GS1013
Cleaning Brushes for Warmer assembly, 10/pkg	GS1054		
Adapter, CPC to IEC (for C7011 tubing)	GS1050	*Data on file	
Adapter, CPC to Luer (for C7010 tubing)	GS1051	**C7010 tubing requires a GS1051 adapter. C7011 tubing requires a GS1050 adapter.	