

Add Hi-Tech Precision to your Surgical Expertise...

# CO<sub>2</sub>mfort

for Surgeon

- High Flow Insufflation
- Temperature: User Settable
- Over Pressure Detection
- Smoke & Mist Evacuator



CO<sub>2</sub> Insufflator





## Technical Specifications of Shalya Endojet - CO<sub>2</sub> Insuflator

Type of Gas	Medical CO <sub>2</sub>		
Pre-setted Modes	Veress Mode, Pediatric Mode, Endo Mode & Bariatric Mode		
Set Pressure	Veress Mode: 0-18 mmHg	Endo Mode : 0-20 mmHg	
	Pediatric Mode: 0-15 mmHg	Bariatric Mode : 0-30 mmHg	
Gas Flow Rate	<b>Modes</b>	<b>30 LPM</b>	<b>50 LPM</b>
	Veress Mode	0 to 5 LPM	0 to 5 LPM
	Pediatric Mode	0 to 10 LPM	0 to 10 LPM
	Endo Mode	0 to 20 LPM	0 to 30 LPM
	Bariatric Mode	0 to 30 LPM	0 to 50 LPM
Flow rate setting	1 LPM/step		
Pressure setting	1 mmHg/step		
Connection Options	Cylinder/Central Gas Supply (Optional)		
Maximum input gas supply pressure	80 Bar / 1160 psi / 60,000 mmHg		
Maximum output gas supply pressure	0.07 Bar / 1.06 psi / 45 mmHg		
Input Voltage	95 to 260 V AC, 50/60 Hz		
Audio Indicator	Speaker to give error tone for safety.		
Touch Control Panel	5" LCD screen		
Design Standard	General Safety Standards: IEC 60601-1-1		
	EMI/EMC Compatibility Standard: IEC 60601-1-2		

## Features of Shalya Endojet

- **High Flow Insufflation** with maximum flow insufflation rate **upto 50 LPM**.
- **Accurate Flow Control**: Flow rate can be set in step of **1 LPM** for delicate & critical surgeries.
- **Variable Temperature Control** of the CO<sub>2</sub> to avoid **hypothermia**.
- **Clear & Unobstructed View** as warmed CO<sub>2</sub> gas **avoids fogging over the camera**.
- **Smoke & Mist Evacuator** provides clear & unobstructed view of surgical field during laparoscopic procedures.
- **Surgery Timing Indicator** indicates the time from the onset of surgery.
- **Over Pressure Detection** controls the gas pressure without user's interruption.
- **Gas Indicator** for remnant & consumed gas in the cylinder being displayed on-screen.
- **Cylinder Status** gives continuous visual indication of present state of the cylinder.
- **Automatic Pressure Regulation** with **internal exhaust port** which prevents the pneumo- peritonueum from **collapsing or overpressure**.
- **Tube obstruction alarm** in case gas tubing gets obstructed during surgery.
- **Virtual/External Pressure Alarm**: Unit gives an audio visual alarm & holds the abdominal pressure when sudden external pressure is applied during trocar insertion.
- **Surgery History** maintains upto last **100 surgery records** for Medico legal compliance.
- **Control** via **USB/Enthernet** or centralized control in conjugation with other Shalya OT equipments.

## Applications of Shalya Endojet

Laparoscopy, Lap Assisted Hysteroscopy, Gastro-Enterology, Endoscopy of Upper & Lower GI tract, Endoscopically assisted cardiac surgery.

