

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

CO₂mfort

for Surgeon

- High Flow Insufflation
- Over Pressure Detection
- Smoke & Mist Evacuator
- Heated High Pressure Regulator



CO₂ Insufflator



ISO
13485



Technical Specifications of **Shalya** Endojet - CO₂ Insufflator

Type of Gas	Medical CO ₂		
Pre-setted Modes	Veress Mode, Endoscopy Mode, Pediatric Mode* & Bariatric Mode*		
Set Pressure	Veress Mode: 1-18 mmHg	Endoscopy Mode : 1-20 mmHg* 1-30 mmHg	
	Pediatric Mode: 1-15 mmHg*	Bariatric Mode : 1-30 mmHg*	
Gas Flow Rate	Modes	30 LPM	50 LPM*
	Veress Mode	1 to 5 LPM	1 to 5 LPM
	Pediatric Mode*	1 to 10 LPM	1 to 10 LPM
	Endoscopy Mode	1 to 30 LPM	1 to 50 LPM
	Bariatric Mode*	1 to 30 LPM	1 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		
	EMI/EMC Compatibility Standard: IEC 60601-1-2		

Features of **Shalya** Endojet

- **High Flow Insufflation** with maximum insufflation flow rate **upto 30 or 50* LPM**.
- **Accurate Flow Control**: Flow rate can be set in step of **1 LPM** for delicate & critical surgeries.
- **Automatic Temperature Control** of the CO₂ to avoid **Hypothermia & Hyperthermia**.
- **User Settable** Temperature Control for heater system.*
- **Clear & Unobstructed View** as warmed CO₂ 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-peritoneum from **collapsing or overpressure**.
- **Tube obstruction alarm** in case gas tubing gets obstructed or pinched 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/Ethernet/CAN** for centralized control in conjugation with other Shalya OT equipments.

Applications of **Shalya** Endojet

Widely used for Surgical Laparoscopic procedures like Total Laparoscopic Hysterectomy (TLH), Lap Cholecystectomy, Myomectomy, Lap Appendectomy, Lap Splenectomy, Laparoscopic Hernia Repair, Laparoscopic Hepatectomy, Laparoscopic Pancreatectomy, Laparoscopic General Surgery & Laparoscopic Cancer Surgery.



High Pressure Hose, Length 1.5mtr



Insufflation Silicon Tubing Set 3 mtr with HME Filter



Smoke Evacuation Footswitch*



Smoke Evacuation Silicon Tubing Set* 3 mtr with ULPA / Carbon Smoke Filter

Note - * Features not applicable for Endojet E

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