

CO₂ INSUFFLATOR

CO₂ -Temperature Control

UNPRECEDENTED SAFETY & RELIABILITY
SUPERIOR PERFORMANCE
45L HIGH FLOW INSUFFLATOR

UNIFLATOR - UL45 XS



UNIVLABS 45-LITER INSUFFLATOR

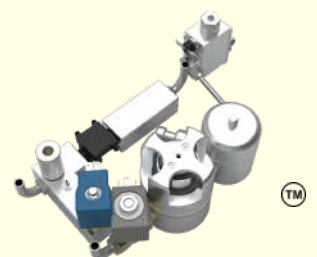
Univlabs 45-liter insufflator provides performance with unprecedented safety and reliability. This insufflator is designed to handle the needs of today's dynamic surgical environment. Its ability to maintain pneumoperitoneum under the most extreme conditions, coupled with a multitude of safety features, places the UnivLabs Uniflator in a class by itself.



Uniflator - UL 45 XS

PRESSURE REDUCER (HEART OF INSUFFLATOR)

Uniflator is a critical device and must maintain safe pneumoperitoneum in the worst of situations. UnivLabs Uniflator is equipped with a UL-DualDome dual-stage pressure reducer along with 3 stages mechanical and two-stage electronic safety valve to create the safest pneumoperitoneum. It also has a two stage gas pre-heater to deliver Co2 at optimum body temperature.



UL- DualDome

TECHNICAL SPECIFICATION

	UL45XS
FEATURES	<p>UnivLabs UL-DualDome technology with coil-based flow control. Three step temp. control to avoid Hypothermia. Dual Mechanical Safety Valve. High pressure Vent, Safe VENT®. MEMS Based flow sensor for accurate flow reading. Over Pressure protection through UL safe VENT®. MEMS Pressure sensor for stable Pneumoperitoneum. Full functional & operational self-test. Three stage ceramic heating Co2 temperature control.</p>
PRESSURE SETTINGS	Normal Mode. 1-30 mmHg, Paediatric mode 1-15 mmHg
GAS FLOW RATE	2 to 45 L/min
PRE-SET MODES	<p>(VER) Veress needle mode: Max flow 2 L/min (NOR) Normal Mode: Max flow 45L/min (PED) Paediatric Mode: Max Flow 15 L/min & enhanced algorithm pressure protection. (SCN) Semi continuous Mode: Insufflation along with smoke evacuation</p>
SAFETY	Multistage pressure reducer with precision MEMS flow sensor and MEMS pressure sensors.
CONNECTION OPTIONS	Dual Central gas supply/cylinder. Electronically controlled switching.
DISPLAY	3.2" touch screen. The smooth user interface is ideal for wipe-down disinfection so that the insufflation meet the highest hygiene standards.
ERROR AND WARNING	Open flow warning Dangerous Pressure rise warning Tube occlusion warning Pressure sensor error warning
DIMENSIONS	350 X 310 X 130 MM
CERTIFICATES	ISO 9001, ISO 13485

OPTIONAL ACCESSORIES



UL-3MSE
Smoke Evacuation Tube



ULPA
Smoke Evacuation Filter



UL-3IVT optical
Disposable Trocar



ULHB-250
Humidifier Bottel



UL-3VN Veress Needle



UL-3IT Trocar



UL-IFS Foot Switch

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ABOUT :

- UnivLabs Technologies Pvt. Ltd. was founded in 2015 to design world-class affordable products for India & the world and its supported by the Ministry of Science & the Ministry of Electronics. UnivLabs products are **tested and certified as per international standards (ISO 13485)** and developed at 3 R&D Labs located in Gurugram-Haryana, Bangalore-Karnataka, and an upcoming facility in Lille-France. The company is already **present in more than 2000 hospitals in India and abroad.**
- Univlabs believes that cutting-edge, world-class medical devices should be available to all healthcare providers regardless of their clinic size or geographical disadvantage.
- UnivLabs is an innovative company with **11 patents filed & 2 granted** and developing technology related to Endoscope Tower, Surgical Robot, Artificial Intelligence (AI) solution for image-based Digital Pathology, Wearable Insulin Patch Pump, and Implants for post-operative surgical tissue support and care.
- The **Cloud Connected 4K Endoscope tower** is the first of its kind and comes with an innovative service model called **One Button Service Request. OBSR** has reversed the traditional service model, wherein the hospital staff has to just push the OBSR button on the tower and call the service team for any technical help.

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