

A grayscale photograph of an operating room. Two surgeons, wearing masks and hairnets, are focused on a surgical site. Overhead surgical lights are visible, and a 'TIME OUT' board is mounted on the wall in the background.

INSUFFLATOR

CO₂-Temperature Control

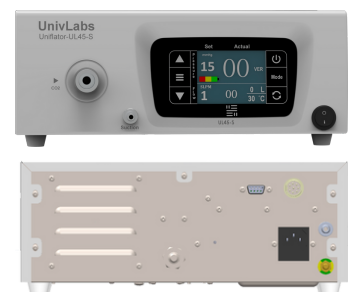
**UNPRECEDENTED SAFETY & RELIABILITY
SUPERIOR PERFORMANCE
45L HIGH FLOW INSUFFLATOR**

UNIFLATOR - UL45 - S



UNIVLABS 45-LITER INSUFFLATOR

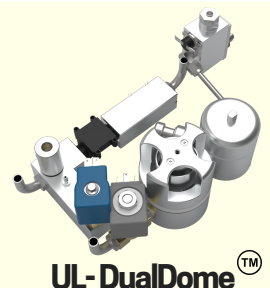
Univlabs 45-liter insufflator provides performance with unprecedented safety and reliability. This insufflator is designed to handle the needs of today's dynamic surgical environment. Its ability to maintain pneumoperitoneum under the most extreme conditions, coupled with a multitude of safety features,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



Uniflator UL45-S

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™

SMOKE EVACUATION MODE

Uniflator is equipped with an inbuilt Safe-Air smoke evacuator for clear vision. It provides near-instant smoke evacuation. It is equipped with a ULPA filter for viral, bacterial as well as smoke particulate filtration. It operates automatically by detecting the press of ESU buttons. The smoke evacuation system is equipped with dual-stage filtration of Hypochlorite and Filter for economical and safe use.



TECHNICAL SPECIFICATION

	UL45-S
FEATURES	<p>UnivLabs UL-DualDome technology with coil-based flow control.</p> <p>Three step temp. control to avoid Hypothermia.</p> <p>Dual Mechanical Safety Valve.</p> <p>High pressure Vent, Safe VENT®.</p> <p>MEMS Based flow sensor for accurate flow reading.</p> <p>Over Pressure protection through UL safe VENT®.</p> <p>MEMS Pressure sensor for stable Pneumoperitoneum.</p> <p>Full functional & operational self-test.</p> <p>Three stage ceramic heating Co2 temperature control.</p> <p>Anti-COVID: Integrated smoke evacuation system.</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</p> <p>(NOR) Normal Mode: Max flow 45 L/min</p> <p>(PED) Paediatric Mode: Max Flow 15 L/min & enhanced algorithm pressure protection.</p> <p>(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	<p>Open flow warning Dangerous Pressure rise warning </p> <p>Tube occlusion warning Pressure sensor error warning</p>
DIMENSIONS	350 X 310 X 130 MM
CERTIFICATES	ISO 9001, ISO 13485