

# WORLD'S FIRST CLOUD CONNECTED 4K LAPAROSCOPY ENDO-VISION SYSTEM

**UL-UHD ClearView**



**UL-UHD CLEARVIEW  
4K 3 CHIP CMOS TECHNOLOGY  
4 TIMES HD RESOLUTION**

# 4K UL-UHD-ClearView

## ULSM-32-4K

- 4K Surgical Monitor

## UL-9000SX

- Smart Body Cavity Light Source

## UL50-D

- CO<sub>2</sub> Insufflator with Smoke Evacuation

## UL-JD2L

- Fluid Collection Jars with Auto Lock

## UL-4KClearView

- 3 Chip 4K Surgical Camera
- 4 times 1080P resolution

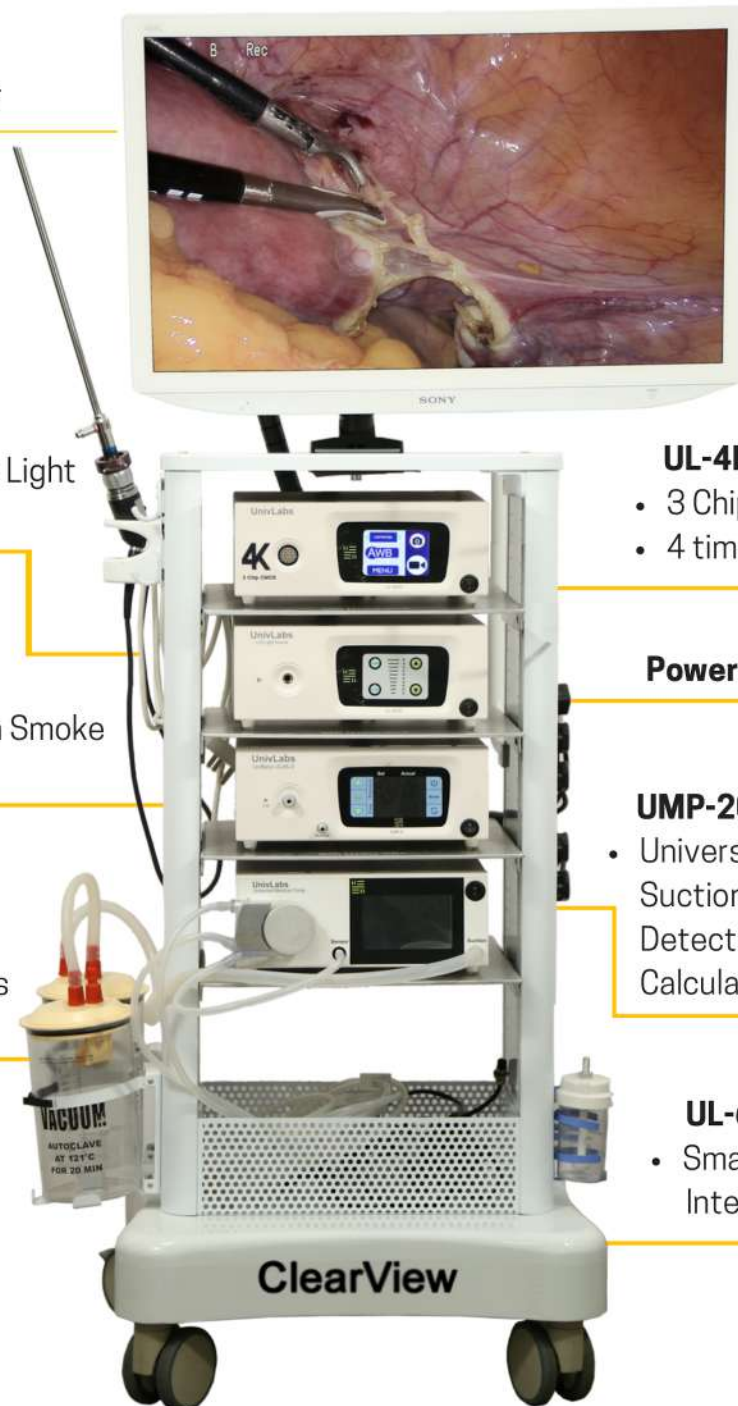
## Power Junction Box

## UMP-2000

- Universal Irrigation & Suction Pump with Bubble Detector and Volume Calculator

## UL-6SICT

- Smart OBSR enabled Internet Connected Tower



## Pay-per-use

Save upto 50% on ownership cost

## Added Features

Cloud Connected  
Lifetime Warranty

## OBSR

One Button Service Request





**ULSM-32-4K**

## SURGICAL MEDICAL GRADE MONITOR

- Designed specifically for the surgical environment, the ULSM-32-**4K** UHD monitor reproduces life-like detailed & sharp images of the surgical field.
- This 32" **4K** (3840x2160) IPS LCD | Protection glass for disinfection | Supports HDR10 | Mirror & Rotate mode | Dustproof & Water-Resistant | DICOM-14 compliant

## SURGICAL 4K ULTRA HIGH DEFINITION CAMERA

- The UL-**4K** ClearView ultra high definition camera system utilizes advanced 3 Chip CMOS technology and premium optics to capture detailed & sharp life-like images of the surgical field. It provides four times the higher resolution compared to an HD camera. For quicker configuration, it comes with nine preset surgical specialty settings.
- 3 x 1/3" CMOS (3840 x 2160) Pixel (UHD) 60fps | **4K** SDI & HDMI Output | Recording Function (Video & Picture) | Zoom, Freeze and Fog Reduction | 10 user modes | Camera head with 4 Push Buttons



**UL-4K CLEARVIEW**



**UL-9000SX**

## SURGICAL LED LIGHT SOURCE

- This new LED technology will change the way Light Source is used in the operating room. This device comes with FOC-Tip (TM) Disconnect detection which switches off the light source to prevent patient skin burns. The long life of LED bulbs (50,000 hours) will make it environment friendly and drastically reduce the cost.
- PWM Control | Auto Switch-off to prevent burns | Broad & Narrow Telescope Selection | Self Heat Regulation | Saves last used configuration.

## CO<sub>2</sub> INSUFFLATOR

- UL50-D is a high-performance CO<sub>2</sub> Insufflator, which has unparalleled safety and optimum convenience for the users.
- It enables the rapid creation of a pneumoperitoneum without compromising safety.
- The Safe VENT® & DualDome technology assures optimum pneumoperitoneum & unparalleled safety.
- Flow up to 50 Litres per minute | Modes: Veress, Normal & Pediatric with Auto Smoke Evacuation | Three Stage Temperature Control | Redundant MEMS Pressure Sensor | VoiceCoil Precision Flow Control | Alarms: Occlusion, Open Flow and Gas Broken Alarm.



**UL50-D**



**UL-10-3304K**

## ENDOSCOPES AND COUPLERS

- The UL-10-330-**4K** rod lens telescope uses premium optics to capture detailed & sharp images. The telescope's strength lies in optimizing focus on the tissue of interest & illuminating the surgical field.
- **4K** | 2.9mm, 4mm, 5mm, 10mm, 0° and 30° | 14mm & 28mm C Mount Coupler

## UNIVERSAL MEDICAL IRRIGATION PUMP

- UMP-2000 is the latest innovation in providing safe, smooth, reliable, and consistent performance in irrigation, suction, and intra-cavitary distension. It comes with an auto self-test feature and precise bubble detection technology for patient safety. It also indicates the used & discarded volume during surgery to detect fluid absorption.
- Self Test Feature | Intracavity Pressure Display | Volume Calculation | Bubble Detection | Flushing Function | Dual MEMS Pressure Sensor Backup.



**UMP-2000**



A grayscale photograph of an operating room. Two surgeons, wearing masks and hairnets, are focused on a surgical site. Large overhead surgical lights are visible at the top of the frame. In the background, a medical cart with drawers is partially visible.

# **INSUFFLATOR**

**CO<sub>2</sub>-Temperature Control**

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

# UNIFLATOR - UL45 - S / UL45 - D



## 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 &amp; 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 &amp; 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



## 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



Scan the QR  
Code to buy or  
call

+91 9560925519

### 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.

Sales Contact :

UnivLabs Technologies Pvt Ltd

Email: [sales@univlabs.in](mailto:sales@univlabs.in)

Phone : +91-124-4116102 | +91 -9560925519

Web: <https://www.univlabs.in>



**UnivLabs Offices:**

Gurugram (Haryana) | Bangalore (Karnataka) | Lille - France

# LED LIGHT SOURCE

**LED Body Cavity Illuminator**

**UNPRECEDENTED SAFETY & RELIABILITY**  
**SUPERIOR PERFORMANCE**  
**LED LIGHT SOURCE: UL-9000**



# UL-9000



## UNIVLABS LED LIGHT SOURCE

The compact high-performance LED Light Source features high luminance and quiet operation. The device is energy efficient, noiseless, and almost does not require lamp change since the LED has a life of up to 50000 hours.



UL-9000

## FIBER OPTIC CABLE( FOC )

Available in a standard diameter of 4.8 mm and 2.3 mtr in length, it has a high transmission and optimum flexibility due to very fine fibers. It comes with fused end terminals to withstand high temperatures. These cables are auto cleavable and are made with medical-grade material enhancing their application for medical uses



UL-FOC

# TECHNICAL SPECIFICATION

	UL-9000
CONTROL :	Membrane Touch, 10-step dimming for quick intensity control.
MEMORY :	Remembers last used setting.
LED TEMP WARNING :	Auto cut-off on reaching unsafe temperature zone.
COLOR INTEGRITY :	Use of CPC technology instead of glass lens, thus white light for longer period. Fall resistant up to 3 feet height.
SAFE LIGHT :	Light Cable detection. Enters Standby when no light cable.
LIGHT ENGINE :	High-Power LED
LED LIFE :	50000 hours
COLOR TEMPERATURE :	6500k
OPTICAL CABLE COMPATIBILITY :	Default Storz type ( Custom for Olympus, Wolf and Stryker)
SIZE, WEIGHT :	310*120*330, 5.5 Kg
BRIGHTNESS :	Typically 3800 lm at light source.
LIGHT INTENSITY :	Equivalent to 180 W Xenon and above.
FIBEROPTIC DIAMETER RANGE :	2mm-6mm
CLASSIFICATION AND APPROVALS :	Complies with medical safety standards <b>IEC 60601 - 1 : 2005</b> <ul style="list-style-type: none"><li>▪ Complies with medical EMC standard</li><li>▪ Class 1 Equipment</li><li>▪ Type CF applied parts</li><li>▪ Water Ingress Protection, IPX0 - Ordinary Equipment</li></ul>
TRANSPORTATION AND STORAGE :	-20°C to 60°C, 10%-75% Relative humidity 700-1060 hpa
ELECTRICAL :	Primary: 100-240 VAC, 50/60 Hz, Power Rating 150 VA, Fuses : Two
OPERATING CONDITION :	5-40°C, 30-95% Relative Humidity
CERTIFICATES :	ISO 9001, ISO 13485





# UNIVERSAL MEDICAL PUMP

Hysteroscopy Urology Irrigation & Suction Pump

UNPRECEDENTED SAFETY & RELIABILITY  
SUPERIOR PERFORMANCE  
UNIVERSAL MEDICAL PUMP - UMP1000

# UMP-1000



## UNIVERSAL MEDICAL PUMP - UMP1000

UMP-1000 is an interdisciplinary pump for the administration or suction of fluids during surgical and diagnostic procedures. It is known with various names in industry as Irrigation & Suction pump, Laparoscopy Pump, Hysteroscopy Pump, Saline Pump etc.



**UMP-1000**

## IRRIGATION TUBING

Non-Disposable sterilizable tubings and reusable silicone tubing. Standard mainline tubing is usually (0.5 ID x 0.9 OD MM), Length: 5.15 Meter.



**UL-IT1000**

## SUCTION TUBING

Non-Disposable sterilizable tubings and reusable silicone tubing. Standard mainline tubing is usually (0.10 ID x 0.16 OD MM), Length: 2.5 Meter.



**UL-RT1000**



# TECHNICAL SPECIFICATION

	UMP-1000
APPLICATION, FEATURES, HIGHLIGHTS	<ul style="list-style-type: none"> <li>▪ Hysteroscopy intra-cavity pressure management</li> <li>▪ TURP intra-cavity pressure management</li> <li>▪ Laparoscopy Irrigation and Suction Pump</li> </ul> <p><b>SELF TEST AUTOMATICALLY</b></p> <p>On power at 100mmHg, 200mmHg, 300mmHg, 400mmHg.</p> <ul style="list-style-type: none"> <li>▪ Best in class Piezo Pressure Sensor.</li> <li>▪ Dedicated Priming Control.</li> <li>▪ Fluid flow rate management.</li> <li>▪ Fast and more accurate pressure control.</li> <li>▪ Large numerical and symbolic display of intra-cavity pressure.</li> <li>▪ Disposable tubings DEHP-free.</li> </ul>
PUMP ADJUSTABLE VALUES	<p><b>Flow:</b> ..... 0.01 to 1.0 Lit/min</p> <p><b>Pressure:</b> ..... 50 to 400 mmHg</p> <p><b>Suction:</b>..... 0.65 bar</p> <ul style="list-style-type: none"> <li>▪ Complies with medical EMC standard</li> <li>▪ Class 1 Equipment</li> <li>▪ Water Ingress Protection, IPX0 - Ordinary Equipment</li> </ul>
ELECTRICAL :	Primary: 100-240 VAC , 50/60Hz, Power Rating 150 VA, Fuses : Two
OPERATING CONDITION, RELATIVE HUMIDITY :	5-40°C, 30-95%
TRANSPORTATION AND STORAGE	-20°C to 60°C, 10%-75% Relative humidity 700-1060 hpa
DISPLAY	5" touch screen.
WEIGHT	7 Kg
DIMENSIONS	310X120X330 MM
CERTIFICATES	ISO 9001, ISO 13485



# **HYSTEROMAT MEDICAL PUMP**

**Hysteroscopy Irrigation Pump**

**UNPRECEDENTED SAFETY & RELIABILITY  
SUPERIOR PERFORMANCE  
HYSTEROMAT MEDICAL PUMP - HY1000**



# HY1000



## HYSTEROMAT MEDICAL PUMP-HY 1000

HY 1000 is a state-of-the-art hysteroscopic fluid management system for gynecological procedures at variable fluid flow rate with controllable intra-cavity pressure, ensuring user and patient safety and comfort during the procedure.



**HY 1000**

## IRRIGATION TUBING

Non-Disposable sterilizable and reusable silicone tubing. Standard mainline tubing is usually (0.5 ID x 0.9 OD MM) and the Length: 5.15 Meter



**UL-IT1000**

# TECHNICAL SPECIFICATION

	HY 1000
<b>APPLICATION, FEATURES, HIGHLIGHTS</b>	<p><b>SELF TEST AUTOMATICALLY</b></p> <p>On power at 100mmHg, 200mmHg, 300mmHg, 400mmHg.</p> <ul style="list-style-type: none"> <li>▪ Best in class Piezo Pressure Sensor.</li> <li>▪ Dedicated Priming Control.</li> <li>▪ Fluid flow rate management.</li> <li>▪ Fast and more accurate pressure control.</li> <li>▪ Large numerical and symbolic display of intra-cavity pressure.</li> <li>▪ Disposable tubings D EHP-free.</li> <li>▪ Non-Disposable sterilizable Connectors &amp; Tubing</li> </ul>
<b>PUMP ADJUSTABLE VALUES</b>	<p><b>Flow:</b> ..... 0.01 to 1.0 Ltr/min</p> <p><b>Pressure:</b> ..... 50 to 400 mmHg</p> <ul style="list-style-type: none"> <li>▪ Complies with medical EMC standard</li> <li>▪ Class 1 Equipment</li> <li>▪ Water Ingress Protection, IPX0 - Ordinary Equipment</li> </ul>
<b>ELECTRICAL :</b>	Primary: 100-240 VAC , 50/60 Hz, Power Rating 150 VA, Fuses: Two
<b>OPERATING CONDITION, RELATIVE HUMIDITY :</b>	5-40° C , 30-95%
<b>TRANSPORTATION AND STORAGE</b>	-20° C to 60° C , 10%- 75% Relative humidity 700-1060 hpa
<b>DISPLAY</b>	5" touch screen. The smooth user interface is ideal for wipe-down disinfection so that the unit meet the highest hygiene standards.
<b>WEIGHT</b>	7 Kg
<b>DIMENSIONS</b>	310X120X330 MM
<b>CERTIFICATES</b>	ISO 9001, ISO 13485



# ARTHRO PUMP

ARTHROSCOPY INFLOW OUTFLOW PUMP



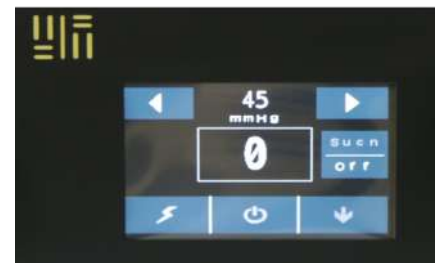
**UNPRECEDENTED SAFETY & RELIABILITY**  
**SUPERIOR PERFORMANCE**  
**ARTHROSCOPY MEDICAL PUMP : AR-2000**

# Arthroscopy Medical Pump: AR-2000



## ARTHROSCOPY MEDICAL PUMP: AR-2000

AR-2000 is an intra-cavity fluid management system used in endoscopic operations in the fields of arthroscopy for diagnostic and therapeutic purposes.



**AR-2000**

## SEFT TEST AUTOMATICALLY

- Best in class Piezo Pressure Sensor.
- Fluid flow rate management.
- Fast and more accurate pressure control.
- Large numerical and symbolic display of intra-cavity pressure.
- Non-Disposable tubings D EHP-free tubings.



**Tubings**

## FEATURES

- Arthroscopy intra-cavity pressure management with Synchronized inflow and outflow.
- Lavage Button : Increases pressure by 50% for 90 Seconds for better visibility, limited to max pressure.
- Drain Button : To drain out the fluid from the cavity at the end of the procedure.



# TECHNICAL SPECIFICATION

AR-2000	
INFLOW	Flow.....0 to 2000 ml/min Pressure.....10 to 150 mmHg
OUTFLOW / SUCTION	Flow.....0 to 2000 ml/min
CONTROL	Touch screen
ELECTRICAL	Primary: 100-240 VAC , 50/60 Hz, Power Rating 150 VA , Fuses : Two
SAFETY	Complies with medical EMC standard Class 1 Equipment Water Ingress Protection, IPX0 - Ordinary Equipment
WEIGHT	7 Kg
OPERATING CONDITION :	5-40°C
RELATIVE HUMIDITY	30-95%
DISPLAY	3.2" touch screen. The smooth user interface is ideal for wipe-down disinfection so that the unit meet the highest hygiene standards.
TRANSPORTATION AND STORAGE	- 20°C to 60°C, 10%-75% Relative humidity 700 1060 hpa
DIMENSIONS	350 X 310 X 130 MM
CERTIFICATES	ISO 9001, ISO 13485

# MEDICAL PUMP

Laproscopy Irrigation & Suction Pump



**UNPRECEDENTED SAFETY & RELIABILITY**  
**SUPERIOR PERFORMANCE**  
**MEDICAL PUMP - LAP-M-1000**

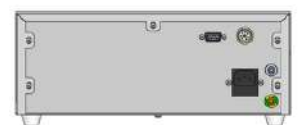


# LAP-M-1000



## MEDICAL PUMP - LAP-M1000

LAP M-1000 is a small, yet powerful, lightweight suction and irrigation pump. It is a cost-efficient, easy-to-use pump for the irrigation & suction of fluids during surgical and diagnostic procedures. It provides rapid filling of the organ to be examined resulting in improved visualization.



**UMP-1000**

## IRRIGATION TUBING

Non-Disposable sterilizable and reusable silicone tubing. Standard mainline tubing is usually (0.5 ID x 0.9 OD MM), Length: 5.15 Meter.



**UL-IT1000**

## SUCTION TUBING

Non-Disposable sterilizable and reusable silicone tubing. Standard mainline tubing is usually (0.10 ID x 0.16 OD MM), Length: 2.5 Meter.



**UL-ST1000**

# TECHNICAL SPECIFICATION

	<b>LAP-M-1000</b>
<b>APPLICATION, FEATURES, HIGHLIGHTS</b>	<ul style="list-style-type: none"> <li>▪ Priming control.</li> <li>▪ Maximum fluid flow setting.</li> <li>▪ Irrigation tube pinch detection.</li> <li>▪ Suction diaphragm motor.</li> <li>▪ Suction tube pinch detection.</li> <li>▪ Disposable tubings D EHP-free.</li> <li>▪ Non-Disposable sterilizable tubings</li> </ul>
<b>PUMP ADJUSTABLE VALUES</b>	<p><b>Flow set :</b> ..... 650 ml/min</p> <p><b>Control:</b> ..... Capacitive Switch</p> <p><b>Suction:</b>..... 0.65 bar</p> <ul style="list-style-type: none"> <li>▪ Complies with medical EMC standard</li> <li>▪ Class 1 Equipment</li> <li>▪ Water Ingress Protection, IPX0 - Ordinary Equipment</li> </ul>
<b>ELECTRICAL :</b>	Primary: 100-240 VAC, 50/60 Hz, Power Rating 150 VA, Fuses : Two
<b>OPERATING CONDITION, RELATIVE HUMIDITY :</b>	5-40°C, 30-95%
<b>TRANSPORTATION AND STORAGE</b>	-20°C to 60°C, 10%-75% Relative humidity 700-1060 hpa
<b>WEIGHT</b>	7 Kg
<b>DIMENSIONS</b>	310 X 120 X 330 MM
<b>CERTIFICATES</b>	ISO 9001, ISO 13485



## ACCESSORIES

### HAND INSTRUMENT

- Surgical instruments provide a high level of perfection , performance and reliability along with attractive & ergonomic handling.

#### For specialties:

Laparoscopy | Urology | Gynecology | ENT | Orthopedic | Gastroenterology



### TUBES & ACCESSORIES

- Range of medical compliant DEHP-free disposable tubings as well as non-disposable silicone tubings.

#### Features:

Irrigation Tube | Suction Tube | Insufflator Tube | Insufflator Smoke Evacuation Tube | Insufflator Filters | Smoke Evacuation Filters | Suction Jars



### 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.

Book your demo  
or call  
**+91 9560925519**

#### Sales Contact :

UnivLabs Technologies Pvt Ltd

Email: [sales@univlabs.in](mailto:sales@univlabs.in)

Phone : +91-124-4116102 | +91 -9560925519

Web: <https://www.univlabs.in>



#### UnivLabs Offices:

Gurugram (Haryana) | Bangalore (Karnataka) | Lille - France