



INTENSIVE CARE MEDICINE

Complete range for intensive care:

- Ventilators
- Respiratory gas humidification and high-flow therapy
- Accessories

VENTILATORS

elisa 300 / elisa 500

elisa 300 and elisa 500 combine the advantages of compactness with the performance features of a modern intensive care ventilator for adults and children. With a peak flow of up to 300 liters per minute, the noise-optimized turbine ensures high flow reserves to compensate leaks, especially in mask ventilation.

The outstanding feature is the agile user interface with up to 6 freely configurable screens, which can be configured individually depending on the station standard. The device configuration is simply transferred via USB stick from one device to other devices.

The elisa 300 and 500 are true all-rounders and predestined for the emergency department, intra-hospital transport, weaning stations and intensive care units for maximum care.



elisa 300 and 500 are already equipped with a high level of performance even in the basic configuration:

Features:

- NIV ventilation, IV ventilation, HFOT - High-Flow Oxygen therapy
- Tube Compensation
- Hygienic function, documented monitoring of the change intervals for patient-side accessories
- Weaning analyzer
- Up to 3 loops (and storing up to 5 reference loops each)
- Pneumatic nebulizer
- PEEPfinder with representation of the inflection points
- Recruitment maneuver
- Possibility for screenshots
- Help function
- Battery for 2 hours operation
- 2 serial interfaces for e.g. for PDMS and monitoring

Distinguishing features of elisa 300 and elisa 500:

Feature	elisa 300	elisa 500
Screen size	12"	15"
Cuffscout	-	✓
Peso	-	✓

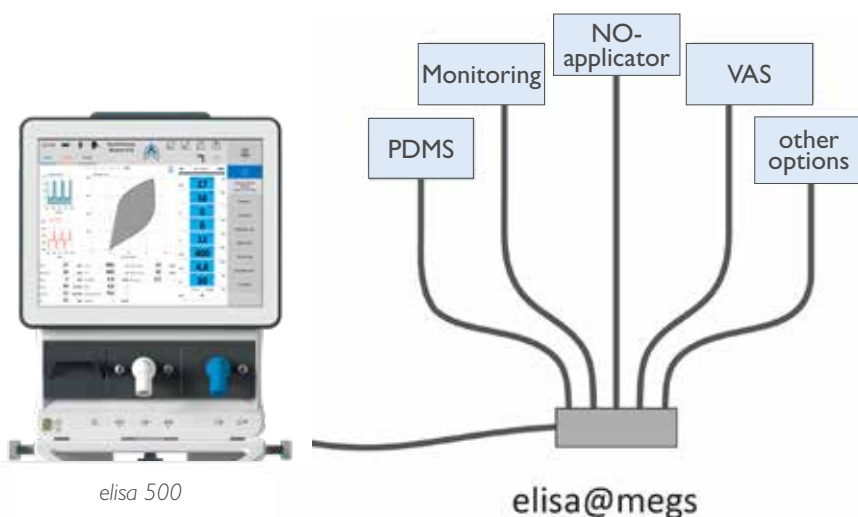
Options for elisa 300 and elisa 500:

- CO₂ main current measurement
- Second battery with a further 2 hours of operation
- elisa@megs - data hub with up to 5 serial interfaces



elisa@megs

elisa@megs is a microprocessor controlled data hub with up to 5 interfaces. At the same time, all relevant elisa data can be transferred to various IT systems and medical devices. These include e.g. PDMS, VAS - Distributed Alarm Systems, PDMS, Patient Monitoring, NO Devices and others upon request.



VENTILATORS

elisa 800

elisa 800 is a perfect symbiosis of simplicity and the full therapeutic range of clinical ventilation medicine. As an innovative top-class intensive care ventilator, elisa 800 features a unique tandem sensor system that makes the device suitable for a live weight range from 300 grams to 400 kilograms. The device offers a variety of ventilation modes, manoeuvres and weaning tools. It provides special instruments for every clinical ventilation phase, such as PEEPfinder with automatic inflection point detection, transpulmonary pressure monitoring or Fastwean monitoring. The innovative user interface, combined with the system's extensive configuration options, creates a virtually personalised ventilation system for implementing the respective ventilation strategies and hospital standards.

Advantages of the elisa 800 intensive care ventilator – simply flexible:

- Intensive care ventilator for all patient groups (adults, children, premature infants)
- Selection of 18.5-inch or 21.5-inch high-resolution colour touch-screen display
- Intelligent, intuitive operation with Easy Access Bar
- Modular system as the basis for personalised ventilation
- Integrated pneumatic drug nebuliser
- Integrated mesh nebuliser
- High-flow therapy
- NIV mode
- PEEPfinder and lung recruitment
- Integrated cuff pressure monitor – Cuffscout
- Transpulmonary pressure measurement
- Weaning tools and indices
- Hygiene management function
- Main stream or side stream CO₂ measurement*
- Anaconda function
- Versatile interfaces for PDMS, NO systems and monitoring equipment
- elisa@megs for the simultaneous multiple data export for PDMS, monitoring, etc.*
- 2 hours of battery operation, optionally expandable up to 4 hours



* optional

elisa 800 VIT/ elisa 600

elisa 800 VIT

elisa 800VIT combines the versatile options of a modern intensive care ventilator in the top market segment with ventilator-integrated tomography. As the world's first ventilation system with integrated electrical impedance tomography, elisa 800 VIT enables radiation-free bedside imaging and ventilation under visual control. Ventilation effects can be continuously assessed in real time for detecting complications. The latest textile sensor technology minimises the skin injuries caused by older systems and can also be used in prone positions. The functional imaging display was specifically designed for use in everyday clinical situations and is easy to interpret.

Ventilation with elisa 800VIT...

- All elisa 800 features included
- Standardises ventilation settings and helps detect potential side effects of ventilation therapy
- Serves as the basis for monitoring inhomogeneous pulmonary situations for lung-protective ventilation
- Enables simple and reproducible assessment of therapy outcomes
- Permits early detection of respiratory complications
- Supports the individual implementation of therapeutic prone positioning under visual control
- Reduces in-hospital intensive care transfers of severely ill ventilated patients
- Reduces the need for routine X-rays and CT scans
- elisa@megs for the simultaneous multiple data export for PDMS, monitoring, etc*



elisa 600

As a universal ventilator, elisa 600 is designed for invasive and non-invasive ventilation therapy for all clinical conditions and in all medical disciplines. The smart user interface can be individually adapted to the respective requirements and hospital standards. The innovative technology, simple operation and comprehensive modular design of the device help reduce complexity, avoid operator errors and support the user in the administration of ventilation therapy. In the balancing act between financial investment and future-oriented development opportunities, elisa 600 represents an innovative ventilation platform for present and future applications. The device architecture with its focus on hygiene and service and many versatile options leaves nothing to be desired.

- 18.5-inch touchscreen monitor and beamer port
- Intensive care ventilator for all patient groups (adults, children, premature infants)
- Broad range of different ventilation modes
- Integrated pneumatic drug nebuliser
- Integrated mesh nebuliser*
- High-flow therapy
- NIV mode
- PEEPfinder and lung recruitment
- Integrated cuff pressure monitor – Cuffscout*
- Transpulmonary pressure measurement*
- Hygiene management function
- Reanimation mode
- Weaning tools and indices
- Main stream or side stream CO₂ measurement*
- Anaconda function*
- elisa@megs for the simultaneous multiple data export for PDMS, monitoring, etc*
- 2 hours of battery operation, optionally expandable up to 4 hours



* optional

VENTILATORS

LUISA

Air for an active life.

Inhale, exhale – something most people do without giving it much thought. With LUISA, the new, highly efficient ventilator from Löwenstein Medical, ventilated patients can do the same. LUISA is especially mobile, compact and lightweight. It can be operated in a vertical or horizontal position and flexibly attached to a wheelchair or bed. The ventilator's battery has a run time of up to 18 hours, giving the user a larger radius of action and a good feeling of extra security. It's easy to operate LUISA via the 10-inch touchscreen and intuitive menu navigation. Other features simplify everyday use. LUISA provides the air needed for an active, mobile life and opens up brand new opportunities for users.

Learn more about our inspirers
and LUISA here.



[breatheanywhere.com](https://www.breatheanywhere.com)



- Battery run time up to 18 hours
- Display 10-inch touchscreen
- Positioning vertical or horizontal
- Connectivity Bluetooth, prisma CLOUD, App, monitor connection
- Monitoring FiO_2 and SpO_2 measurement
- Functionality ventilation up to 30 mlVT; High-Flow Mode*, CPAP and MPV in all circuit systems
- Safety alarm displayed in two languages
- Uncomplicated no adapter; intuitive operation

* HFT not available in Germany



HIGH FLOW / CPAP

CHARISMA

High flow CPAP solution

charisma stands for a new generation of clinical respiratory therapy devices that was developed particularly for modern challenges and enables all kinds of CPAP and high-flow therapy. Thanks to its easy operation, versatile respiratory therapy modes, an integrated optional paramagnetic O₂ measurement and adjustable alarm limits, the device can be used in acute care units such as recovery rooms, monitoring wards, physiotherapy and general wards.

Areas of use and application:

- Application in intensive care units, IMC, anaesthesia, general wards and emergency rooms
- Suitable for use with helmet ventilation, nasal CPAP and high-flow CPAP

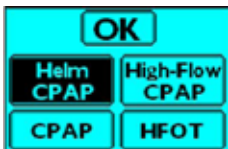
charisma's benefits for CPAP and high-flow therapy:

- Integrated drug nebuliser
- Modes for helmet CPAP, mask use and nasal application
- Consumption-free oxygen sensor for FiO₂ monitoring
- Leakage compensation up to 200 l/min
- High pressure stability
- Intelligent alarm system
- Optional integrated Backup Battery

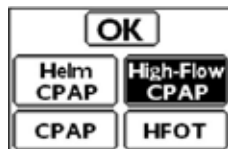


Functions:

- Helmet CPAP



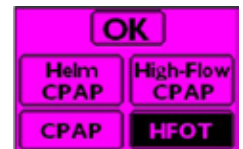
- High Flow CPAP



- CPAP



- HFOT



Product options

1. Paramagnetic oxygen sensor



4. Breathing circuit



2. Expanded safety package



5. Drug nebuliser



3. Cart



6. Nasal CPAP cannulae



7. Respiratory gas humidifier LM 2000



HIGH FLOW

PRISMA VENT50-C

The best care always

The prismaVENT50-C has the same features as prismaVENT50 plus a High-Flow Therapy (HFT) mode. In the HFT mode the device provides a constant flow of 5 – 60 liters per minute to which an oxygen feed can be added. The flow of air is first heated and humidified (e.g., with prismaVENT AQUA) and applied to the patient via an appropriate patient interface. Different sizes of the nasal cannula are available for non-invasive ventilation and one interface is available for use with invasive ventilation. The pressure range is the same as for the prisma VENT50 up to 50 hPa. The possibility of pressure- and volume-controlled mouthpiece ventilation (MPVp and MPVv) exists and also the LIAM function (Lung Insufflation Assist Maneuver) for cough support and secretion management is integrated. The prisma VENT50-C has a complete alarm management, internal power supply, battery with up to 12 hours running time and an integrated oxygen connection.

High-Flow mode (HFT)

- Leaching out of the upper dead space and thus CO₂ elimination
- Humidification and warming of the respiratory tract and thus improved mucociliary clearance
- Improvement of oxygenation
- Reduction of the spontaneous breathing frequency

Brilliant display

- Large display, rich contrasts, crisp sharpness and natural colours
- Easy operation and adjustment
- Intuitive menus, easy operation, fast optimization
- Simple setting with 360 ° easy turn button as well as with speed dial buttons

Great compatibility

- Fits a variety of hoses
- Hose systems for high-flow therapy
- Supplies accessories
- Works with standard cables



SECRETION MANAGEMENT

ALPHA 301 / 302

Improved ventilation with recruitment

Respiratory therapy with intermittent positive pressure breathing (IPPB therapy) is a recognised treatment concept for obstructive pulmonary diseases. The administration of inhalation aerosols is recommended for patients with greatly reduced ventilation reserves and pronounced respiratory insufficiency. The alpha device family meets the various therapeutic needs of clinics and healthcare professionals for the treatment of COPD, asthma, respiratory insufficiency or pulmonary fibrosis.

The slow and deep inspiration supported by the respiratory therapy device leads to improved ventilation, which in turn facilitates improved gas exchange and better aerosol deposition. The adjustable expiratory resistance setting also contributes to these improvements and poorly ventilated peripheral lung segments can be much better served. That is essential for prevention because good ventilation is the best protection against infections. In addition, the IPPB therapy of obstructive pulmonary diseases can be supplemented with nebulising drugs, such as bronchospasmolytic or secretolytic agents.

- Compact device, suitable for use with children and adults
- Modern design with display
- Manual control option
- Sensitive trigger range
- Steplessly adjustable expiratory stenosis
- Controlled application of oxygen concentrations (21%, 30%, 40%, 50% O₂) for the length of the therapy session



MONITORING

LM5

Full modular patient monitoring

Standard Configuration: 3/5 lead ECG, BLT digital SpO₂, NIBP, 2-TEMP (EMS3)

Optional modules: 2-IBP module, 2-TEMP module, Nellcor SpO₂ module, Masimo SpO₂ module, SunTech NIBP module, RM module, Sidestream CO₂ module, MicroFlow CO₂ module, Mainstream CO₂ module, Mainstream AG module, Sidestream AG module, ICG module, CO module, EEG module, BIS module

Other options: 12 lead ECG, thermal printer, rolling stand, wall mount, external display, Wireless Lan (WiFi), analog output (ECG or IBP), touch screen, rechargeable Lithium battery



- 12.1" (800 x 600) anti-glare color TFT LCD display
- Powerful measurement, ergonomic and flexible design
- Rechargeable Lithium battery can work more than 3 hours
- Fanless cooling-down system keeps the monitor working quietly
- Supports various input ways (touch screen, prompt knob, keyboard, mouse), easy to operate
- Dozens parameters with various modules assembled as need, easy upgrade, save replacement cost



LM7

Patient monitoring with standard hardware configuration and additional slots

Standard configuration: 3/5 lead ECG, RESP, SpO₂, PR, NIBP, 2-TEMP, Lithium battery, touch screen

Optional modules: 2-IBP, Masimo SpO₂, Nellcor SpO₂, SunTech NIBP; Sidestream/MicroFlow/Mainstream EtCO₂, Mainstream/Sidestream AG, CO

Other options: 12 lead ECG, printer, rolling stand, wall mount, VGA, external display, WiFi, SD memory card, analog output (ECG or IBP)

The LM7 modular monitor has been designed to meet everyday clinical requirements, integrated seamlessly into the hospital workflow. In acute care, a patient monitor must be reliable, easy to use and upgradeable with advanced parameters, while allowing data access when and where needed. In case of patient transport, the device should be easy to carry.

With its lightweight and plug-and-play modular design, its powerful functions and intuitive user interface, the LM7 patient monitor is therefore the best choice for acute care.

- 15" (768 x 1024) TFT LCD display, 3 module slots
- The LM7 monitor is designed to meet the requirements of various hospital environment. The parameters of the main unit fit every standard monitoring demand. The optional modules upgrade the LM7 monitor to suit acute care monitoring.
- The LM7 monitor's built-in recorder and automatic event recording function guarantee the integrity of monitoring data.
- The LM7 monitor's intuitive interface includes mass alarm set up, large font, and view-other bed functions. This interface together with the touch screen, rotary knob and customized quick keys, makes the LM7 monitor exceptionally user friendly.
- The LM7 monitor is applicable for the emergency room, general ward, operation room, ICU, etc.
- Low power consumption and fanless design, can achieve high requirements of dust-off, without noise and pollution-free in clinical departments
- Optimized circuit design, reduced energy consumption, battery run time increase 25%
- Various expandable interfaces: VGA output, ethernet, USB x 2, defib sync, nurse call, rack for extension module
- The LM7 monitor achieves long time monitoring of vital sign stably by using BM100 A all-in-one-module engine



MONITORING

LM8

Full modular premium monitoring

Standard Configuration: 3 / 5 lead ECG, BLT digital SpO₂, NIBP, 2-TEMP (EMS3)

Optional modules: 2-IBP module, 2-Temp module, Nellcor SpO₂ module, Masimo SpO₂ module, SunTech NIBP module, RM module, Sidestream CO₂ module, MicroFlow CO₂ module, Mainstream CO₂ module, Mainstream AG module, Sidestream AG module, ICG module, C.O. module, EEG module, BIS module.

Other options: 12 lead ECG, thermal printer, rolling stand, wall mount, external display, Wireless Lan (WiFi), analog output (ECG or IBP), touch screen, rechargeable Lithium battery.

- 17" anti-glare color TFT LCD display
- Powerful measurement, ergonomic and flexible design
- Rechargeable Lithium battery can work more than 3 hours
- Fanless cooling-down system, keep the monitor working quietly
- Support various input ways (touch screen, prompt knob, keyboard, mouse), easy to operate
- Dozens parameters with various modules assembled as need, easy upgrade, save replacement cost



A2E / EMS

A2E - patient monitoring for inner hospital transportations

Standard configuration: 3/5 lead ECG, NIBP, BLT Digital SpO₂, 2-TEMP, touch screen, rechargeable Lithium ion battery

Optional: 12 lead ECG, 2-IBP, Masimo Rainbow Set SpO₂ (SpHb, SpCO, SpMet, SpOC, PVI), Nellcor SpO₂, Wireless Lan (WiFi)

Key Features

- High resolution color LCD screen, full screen touch control
- Gravity sensor; automatic adjustment of the display angle
- Compact and lightweight to ensure that patients are free to move and provides the best service
- Rechargeable Lithium battery, 12V DC input
- Provides fast and easy patient care during the patient's transport
- Optional waterproof first aid transport carry bag, special designed accessory pockets, perfect for outdoor use
- EMS is an all-in-one module, compatible for the LM5 and LM8 monitor, it can upload patient's monitoring data to bedside LM5 and LM8 monitor to realize seamless transport monitor
- OR, intra-hospital transportations, ICU and general ward



Powerful, accurate measurement

- 7/12 lead ECG waveform display in one screen
- Dual alarm light, independent physiological alarm and technology alarm
- Precise arrhythmia analysis, ST analysis
- 8 hours trend storage, 480 group NIBP review
- Gold standard Masimo SpO₂ is accurate during low perfusion and patient movement



EMS - Emergency Mobile Server

- The simplest way to transport a patient: unplug and go. EMS with display, alarm, rechargeable battery and trend storage, provides fast and convenient monitoring during patient transfer
- Compact design, easily carried by patient, allowing patients the freedom to roam, provides the best quality of care
- 12 Lead ECG display in same screen
- Gravity sensor - automatically changes the display direction, touch screen, easy to operate
- Parameter: ECG, SpO₂, PR, RESP, TEMP, NIBP (Standard), Masimo SpO₂, Masimo Rainbow SpO₂, Nellcor SpO₂, 12 lead ECG, IBP (option)

Unique high end parameter module can monitor the critically ill patient

Masimo rainbow SET Pulse CO-Oximetry module: Oxygen saturation (SpO₂), pulse rate (PR), perfusion index (PI), Total hemoglobin (SpHb), Oxygen content (SpOC), carboxyhemoglobin (SpCO), methemoglobin (SpMet), pleth variability index (PVI)

Anesthesia gas module:

Sidestream or main stream, automatic agent ID, paramagnetic O₂ (only side stream)

ICG module (Non invasive CO):

Non invasive method to measure patient's cardio output and hemodynamic status, safe and easy operation

EtCO₂ module:

Mainstream/Microstream, various options can suit for intubated patients, ventilation relied patients and non intubated patients

BIS (Bispectral Index) module:

BIS provides depth of consciousness and sedation monitoring for use in the OR, ICU and clinical settings, helps the anesthesiologist to be more confident, more accurate and more secure to achieve their treatment plan

other

RESPIRATORY GAS HUMIDIFICATION

Respiratory gas humidification

LM 2000

The LM 2000 is the new generation of active humidification systems which was developed for newborns, children and adults. The large touchscreen provides fast and convenient access to all required information and functions.

- Personalized, intuitive temperature setting
- Settable modes: Invasive, Non-invasive, Weaning
- Screen protector for night mode
- Automatic detection of water chamber
- Electronic water level monitoring
- Adjustable temperature and humidification settings



AIRCON GEN 2

The humidifier Aircon Gen 2 combines modern technology and innovative design in a single unit to fulfill medical needs and economic expectations of the market. The result is optimum physiologically conditioned air that protects the mechanically ventilated patient's mucous membranes from being dried out and prevents impairment of mucociliary clearance.

- Self-explanatory use provided by symbols and pictograms
- Stand-by function for required therapeutic applications
- Three (3) function modes (IV, NIV, FREE)
- „Overboost“ function for expiratory hot wire sensor
- Suitable for use with all ventilators
- Distribution cable for hot wire sensors
- Intelligent alarm management
- Automatic water level monitoring
- Event and Alarm report



OXYGEN BLENDER

LM Blend

The new generation of high or low flow air-oxygen mixers

The compact, lightweight LM Blend permits personalized settings of oxygen concentration and flow without the use of additional accessories, such as a flowmeter. It is specially designed to function in any position and during transport. To measure oxygen concentration, the LM Blend is equipped with an optional port for connection to an oxygen measuring cell.



MAXBLEND 2

High-flow/low-flow air-oxygen blender

Maxblend 2 is an easy-to-use, low-maintenance blender with an integrated oxygen analyser. It features a variety of functions, including a backlit LCD and acrylic flow meter, intelligent alarms and an optional AC power supply. The modular flow meters can be added to the configuration. The whisper quiet operation enables bedside use without disturbing patient rest.



MAXVENTURI

High-flow air-oxygen blender

MaxVenturi was specifically developed as a high throughput interface, e.g. for air humidification systems. Using the proven Venturi principle, the device offers the option to mix ambient air with medical oxygen without the need for an air supply source.



MICROMAX

High-flow/low-flow air-oxygen blender

MicroMax offers the performance of a precise air-oxygen blend. In the high-flow variant, the total throughput range is 15-120 l/min, while the low-flow variant has a capacity of 3-20 l/min. MicroMax also includes a connection port for oxygen concentration measurement for continuous monitoring of the administered oxygen concentration with the optionally available oxygen analyser.



ACCESSORIES

JOYCECLINIC FF

The right solution for every situation

Our disposable JOYCEclinic FF mask for acute, non-invasive ventilation has become well-established in clinical practice. Rely on the proven quality of Löwenstein Medical to support your daily work.

In response to the feedback of our customers, we have now optimised JOYCEclinic FF in two key areas:

The mask cushion has been made much longer and wider to quickly and reliably adjust to different contours, especially at the nasal bridge. The reinforced silicone area between the mask's cushion and body ensures a stable fit – even in case of sudden mask removal or higher pressure levels.

The 4 different, changeable elbows feature an intuitive, easy-to-use lever – to find the right mask for every situation and every device combination. The immediately recognisable quick-release cord quickly and easily disconnects the headgear, which remains snug-fitting even at high pressure levels.



Endoscope adapter



NV without AAV*



NV with AAV* (Leakage 1)



V with AAV* (Leakage 2)

JOYCEclinic FF is available in 3 sizes in the variants non-vented, non-vented with AAV (leakage 1) and vented with AAV (leakage 2).

The endoscopy adapter, available as a convenient accessory, enables bronchoscopy access without the need to interrupt the ventilation.



* AAV = Anti-Asphyxia Valve

LIGHTING SYSTEMS

VISIANO 20-2

Uncompromising lighting is essential wherever there are high demands for visibility. Whether in family medicine or dermatology, ENT or gynaecology or in particularly sensitive wards such as NICUs or intensive care, VISIANO 20-2 is a true all-rounder. Thanks to its unique design, state-of-the-art lighting technology and the highest lighting quality, it provides optimal examination conditions.

- LED technology
- High illuminance 60,000 lx/0.5 m, light field diameter 210 mm
- Precise colour rendering Ra >95, R9 >90
- 4-step illuminance dimming
- Antimicrobial hygiene function in key parts of the luminaire
- Maximum action radius (360° rotation of the head)



VISIANO 10-1

VISIANO 10-1 is an LED examination light that doesn't sacrifice any professional light quality. In daily use, VISIANO 10-1 stands out for its excellent illuminance and large field of light. The sturdy flexible arm ensures reliable positioning and a long service life. The closed design prevents contamination.

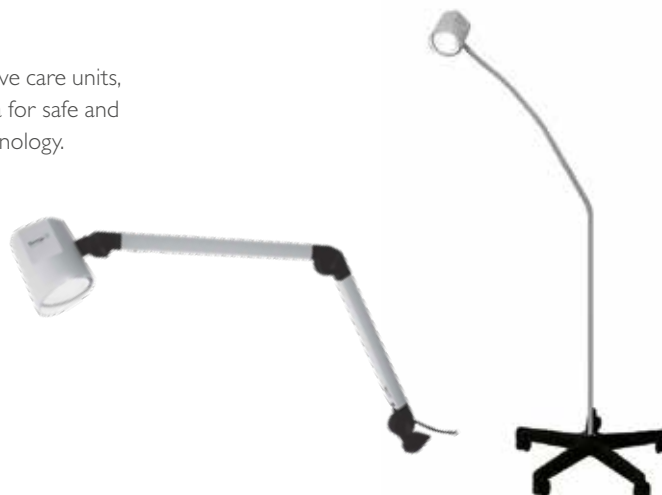


- LED technology
- High illuminance 50,000 lx/0.5 m, light field diameter 180 mm
- Precise colour rendering Ra >93
- Colour temperature 4400 K
- Professional light quality thanks to unique diamond optics and premium LEDs
- Lamp head can be rotated 280° with handle
- High-quality aluminium rods and durable friction joints

HX LED

The small and sturdy examination light HX LED is ideally suited for intensive care units, patient rooms and medical practices. The light meets all important criteria for safe and precise examinations and is particularly cost-effective thanks to LED technology.

- LED technology
- 15,000 lx / 0.5 m, light field diameter 300 mm
- Precise colour rendering Ra >95
- Colour temperature 4000 K
- Rocker switch (1/0) on the luminaire head
- Spring-mounted joint system or flexible arm
- Low heat emission of light
- Designed to match various mounting elements or roll stands



ACCESSORIES

UNIFLEX

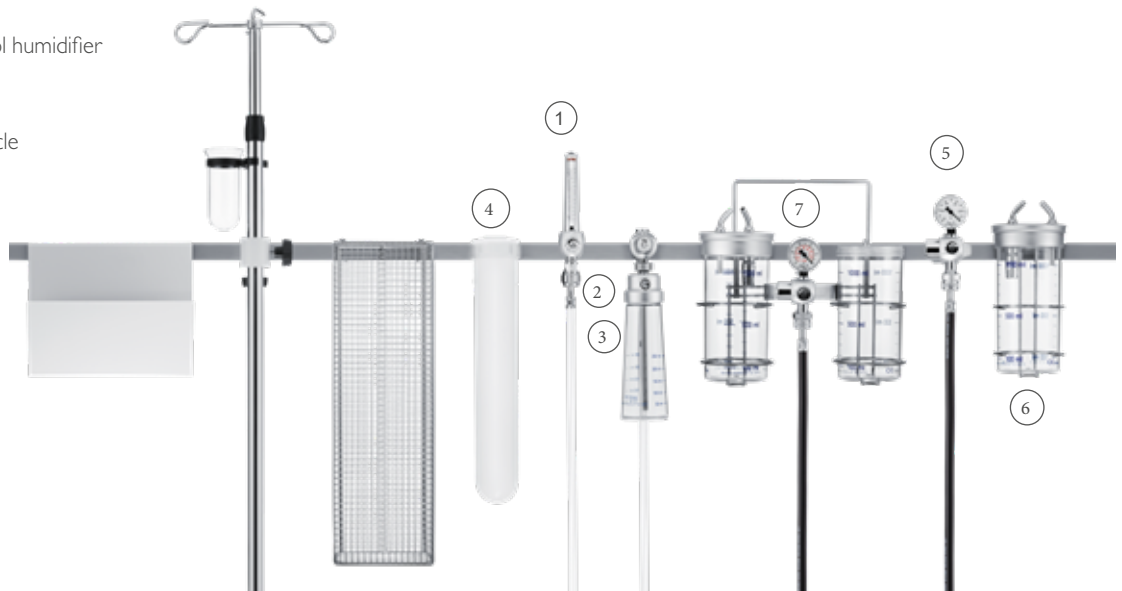
Rail system

The Uniflex rail system by Löwenstein Medical is an innovative, high-quality concept for all clinical application areas. The modular design of the Uniflex system enables maximum flexibility and a wide range of combination options. It is considered an indispensable standard in modern healthcare facilities, hospitals, clinics, nursing homes and medical practices.

Uniflex stands out for its full ground clearance as well as major utility, since all equipment needed for patient treatment is arranged at a convenient height and within easy reach. The wall space is optimally used for storing equipment and instruments.

Safe functionality and handling, optimal operation and use, versatile and flexible application. Humidification, suctioning, oxygen therapy, oxygen-air blender, equipment support, and much more.

1. Flow meter
- 2./3. Bubble humidifier / aerosol humidifier
4. Catheter quiver
5. Compressed air injector
6. Secretion suction receptacle
7. Bronchial suction system



COMPRESSOR SMART 50

The SMART 50 medical compressor is a source of clean and dry compressed air. It is free of oil traces and therefore optimally suited for medical ventilators. It can be used as the primary air source or as an automatic stand-by source in case of a ventilator failure. It is easy to handle when set up on a cart.

Alarms:

- Temperature
- Pressure
- Power

Display:

- Working pressure
- Operating hours
- Drying level*



* optional

ACCESSORIES

Löwenstein Medical Test Lung

The test lung from Löwenstein Medical is made from high-performance polymer and silicone rubber and is used to test ventilation functions before ventilators are put into operation.

The device is calibrated at the factory to ensure that its resistance and compliance levels correspond to conformity specifications. The 15-mm connection fulfills the ISO 5356-1 standard. Lightweight and compact, the test lung is easy to use and to store.

Airway resistances are optionally available in the sizes Rp 5, Rp 20 and Rp 50. Resistance is simulated with the use of this device. Pressure monitoring connections also are available for use with the Resistance Set.



LM NEO TEST LUNG, DISPOSABLE

The easy-to-use test lung with standard connector for quick and simple function test of ventilators.



LM NEO TEST LUNG, REUSABLE

With the reusable LM Neo test lung, you can simulate the exact ventilation situation which may occur in very small premature babies, newborns or small children.

- Autoclavable up to 134 degrees Celsius
- 20 mL @ PEEP = 0 mbar; P_{Insp} = 30 mbar
- 0.7 mL/mbar @ V_t 20 mL
- 45 mm × 150 mm





Sales and Service:

Löwenstein Medical
Arzbacher Straße 80,
56130 Bad Ems
Deutschland
T: +49 2603 9600-0
F: +49 2603 9600-50
info@hul.de
www.hul.de



p10320en2010

Follow us:



@loewensteinmedical

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