



Ventilation



Mobile and stationary: safety ensured by specialized technology

Ventilation

Safe and sound ventilation at all times.

When the **respiratory system** is damaged by disease, disability or accident, ventilation of the lungs can be impaired to a life-threatening degree. To ensure proper ventilation and relieve the respiratory pump, we develop customized, reliable technologies.

We concentrate on patient safety, effective treatment and the simplest and most convenient operation of the ventilator.

The result: Products that automatically ventilate according to patient needs. That's how we offer maximum support to patients and medical personnel.



DISEASES

Neuromuscular diseases, e.g.,

- Amyotrophic Lateral Sclerosis (ALS)
- Muscular dystrophy
- Spinal muscular atrophy
- Post-Polio Syndrome

Restrictive disorders, e.g.,

- Thorax deformities (kyphoscoliosis)
- Post tuberculosis Syndrome
- Interstitial lung diseases

Obstructive respiratory disorders, e.g.,

- COPD
- OHS

IV / NIV VENTILATORS

LUISA

Air for an active life

- For life-support ventilation
- 10-inch touchscreen
- Can be used in vertical or horizontal position
- Up to 30 ml tidal volume without additional sensor
- Leakage, single circuit with valve and double circuit ventilation
- No adapter, no conversion required for different circuit types
- All modes, including CPAP and HFT, available for all circuit systems
- Alarms displayed in two languages
- No device is easier to use



prisma VENT50 / prisma VENT50-C

High-level ventilation

- Simplest use with intuitive menus, easy operation and quick access
- Whisper-quiet ventilation provides more comfort and well-being for patient and partner
- Suitable for invasive and non-invasive ventilation
- Helpful functions for COPD treatment: AirTrap Control, maximum expiratory ramp and Trigger lockout
- prisma VENT50-C is equipped with High-Flow Therapy mode (HFT)
- Broad range of disorders can be treated with leakage circuit and single patient circuit with patient valve
- With autoST mode (autoEPAP, autoF) and target volume
- Integrated secretion management, cough support LIAM
- Mouthpiece ventilation
- Integrated oxygen connection
- Three ventilation programs can be set and stored



prisma VENT30-C / prisma VENT40 / prisma VENT40-C

Mobility and comfort at every level

- Simplest use with intuitive menus, easy operation and quick access
- Whisper-quiet ventilation provides more comfort and well-being for patient and partner
- Suitable for invasive and non-invasive ventilation
- Helpful functions for COPD treatment: AirTrap Control, maximum expiratory ramp and Trigger lockout
- prisma VENT40-C with High-Flow Therapy mode (HFT)
- With autoST mode (autoEPAP, autoF) and target volume
- Integrated oxygen connection
- Three ventilation programs can be set and stored



Overview of functions

Functions		prisma VENT30-C	prisma VENT40 prisma VENT40-C
Type of ventilation	Non-invasive ventilation	✓	✓
	Invasive ventilation	✓	✓
Circuit system	Leakage circuit	✓	✓
	Single patient circuit	—	—
	Double patient circuit	—	—
Device features	Max. inspiration pressure	30 hPa	40 hPa
	EPAP / PEEP pressure range	4 – 25 hPa	4 – 25 hPa
	Tidal volume	100 – 2000 ml	100 – 2000 ml
	Respiratory frequency	0 – 60 bpm	0 – 60 bpm
Modes	CPAP, S, ST, autoST, T, PSV, aPCV, PCV	CPAP, S, ST, autoST, T, PSV, aPCV, PCV	
Special therapy options	LIAM	—	—
	AirTrap Control	✓	✓
	Trigger lockout	✓	✓
	Pressure rise / Pressure fall	✓*	✓*
	Target volume	✓	✓
	HFT-Therapy	—	✓**
O ₂ feed	integrated	max. 15 l/min.	max. 15 l/min.
Monitoring	Ventilation programs	3	3
	Real-time curves (pressure, flow, volume)	✓	✓
	Expiration volume	—	—
	FiO ₂	—	—
	SpO ₂	✓	✓
	Technical / physiological alarms	✓	✓
	prismaTS PC software	✓	✓
	LUISA APP	—	—
	Connection to prisma CLOUD	✓	✓
	Connection to Philips IntelliVue	✓	✓
Power supply with rechargeable battery	External battery	—	—
	Internal battery	12 h (optional)	12 h (optional)

* incl. maximum expiratory ramp

** only in prisma VENT40-C / prisma VENT50-C available

*** not in Germany

prisma VENT50 prisma VENT50-C	LUISA
✓	✓
✓	✓
✓	✓
✓	✓
—	✓
50 hPa	60 hPa
4 – 25 hPa (leakage circuit) 0 – 25 hPa (valve system)	4 – 25 hPa (leakage circuit) 0 – 25 hPa (valve system)
100 – 2000 ml	30 – 3000 ml
0 – 60 bpm	2 – 60 bpm adult 5 – 80 bpm child
CPAP, S, ST, autoST, T, PSV, aPCV, PCV, MPVp, MPVv	CPAP, S, ST, autoST, T, PSV, aPCV, PCV, aVCV, VCV, P-SIMV, V-SIMV, MPVp, MPVv
✓	—
✓	—
✓	✓
✓*	✓
✓	✓
✓**	✓***
max. 15 l/min.	max. 30 l/min.
3	4
✓	✓
—	✓
—	✓
✓	✓
✓	✓
✓	✓
—	✓
✓	coming soon
✓	✓
—	2 x 6 h (optional)
12 h (optional)	6 h



TIP

You'll find an overview of our accessories in the accessory brochures:

- prisma VENT accessories, Article Number: p10134en
- LUISA accessories, Article Number: p10381en



Our software solutions. Simple. Flexible. Reliable.

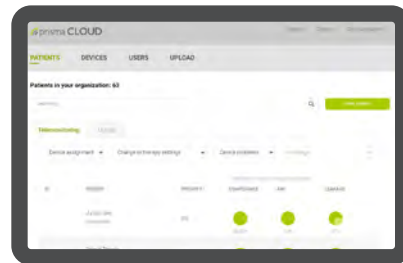
Compatible and future-proof

Data can be transmitted in many different ways, all of which are based on proven industry standards, irrespective of manufacturer. For that purpose the therapy devices are equipped for SD card and USB use. Modules for LAN, PSG and telemedicine are available.



The telemedicine solution for you and your patients.

With prisma CLOUD you can monitor your patients' therapy reliably and simply. You'll have access to up-to-date information about treatment fully automatically from anywhere.

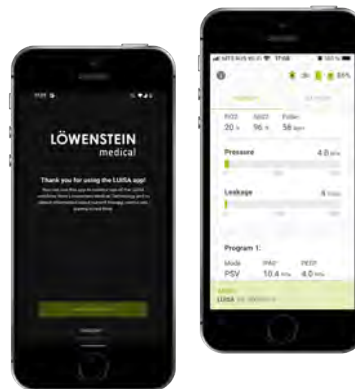


LUISA App

Help at hand

The LUISA App is a very good way to keep your eye on ventilation at all times. The app displays the most important information from the ventilator, such as current and set values, battery capacity and service intervals.

For safety reasons, no settings can be made for LUISA. It is available for iOS and Android.



prismaTS and prismaTSlab

Accompanying software solution:
For experts.

From a quick check to detailed therapy analysis, prisma TS and prisma TSlab offer an ideal overview of all relevant data for every work step.

Therapy software complete
with USB data cable, WM 93335





prisma CLOUD

PATIENTS

DEVICES

USERS

UPLOAD

Patients in your organization: 63

English

Options

Götz Magnussen

Telemonitoring

Upload

Device assignment

Change to therapy settings

Search

New patient

Device problems

In charge

Calculated for the last 7 therapy days received

ID	PATIENT	PRIORITY ↑	COMPLIANCE	AHI	LEAKAGE
	Junker, Axel 04/06/1969				
20200781	Schmid, Thomas 22/07/1980	0%	06:30 h	2 /h	0%
192007645	Chung, Dahee 08/03/1971	3%	05:15 h	1 /h	0%
140303	Smith, John 01/01/1990	3%	07:12 h	1 /h	0%
		3%	07:32 h	5 /h	0%



LÖWENSTEIN medical

Löwenstein Medical
Arzbacher Straße 80
56130 Bad Ems, Germany
T. +49 2603 9600-0
F. +49 2603 9600-50
info@loewensteinmedical.com
loewensteinmedical.com



Löwenstein Medical Technology
Kronsaalsweg 40
22525 Hamburg, Germany



© Copyright protected.
Copying or reproduction of any sort requires the explicit approval of Löwenstein Medical.