



prisma VENT50-C

Ventilator

prisma VENT50-C – The best care always.

The prisma VENT50-C ventilator is equipped with High-Flow Therapy (HFT) mode in addition to all the other features available in prisma VENT50.

In HFT mode the device provides a constant flow of five to 60 liters per minute. An oxygen feed also can be added. The flow of air is heated and humidified (for example, with prisma VENT AQUA) and delivered to the patient via a nasal cannula. The patient interface comes in different sizes for non-invasive use. A different interface is available for invasive application.

The prisma VENT50-C also may be used with a single tube with patient valve and with other tube systems with nasal cannula for High-Flow Therapy.

Like prisma VENT50, this ventilator has a pressure range up to 50 hPa. The prisma VENT50-C offers both pressure-controlled and volume-controlled mouthpiece ventilation (MPVp and MPVv). Features and integrated functions include LIAM (Lung Insufflation Assist Maneuver) for cough support and secretion management, an extensive alarm management system, rechargeable battery with a capacity of up to 12 hours and an integrated oxygen port.

High-Flow Therapy (HFT) mode

- Washes out nasopharyngeal dead space and thereby eliminates CO₂
- Improves mucociliary clearance by humidifying and warming the upper airways
- Improves oxygenation
- Reduces spontaneous breathing frequency

Brilliant display

- Large display, high contrast, clear and natural colors

Simple operation and setting process

- Intuitive menus, simple use, fast optimization
- Simple setting with 360° easy turn knob and quick selection key

Highly compatible

- Suitable for a range of tube systems
- Tube system for High-Flow Therapy
- Supplies power to additional devices
- Works with commercially available cable

Device description

prisma VENT50-C
prisma VENT50-C with integrated rechargeable battery

Article Nr.

WM 30680-1110
WM 30690-1110

Please refer to the currently valid price list.

**Accessories**

prisma VENT AQUA 100506
Respiratory gas humidifier

For High-Flow Therapy only

Single tube system with patient valve 271708
heated (i), with auto-fill chamber for
prisma VENT AQUA
(150 cm + 60 cm, 22 mm Ø)

High-Flow leakage 271705
(i), auto-fill chamber, passive valve,
Connection for HFT nasal cannula
(150 cm + 60 cm, 22 mm Ø)

Single tube system with patient valve 271707
heated (i), with auto-fill chamber for
prisma VENT AQUA
(150 cm + 60 cm, 15 mm Ø)

Oxi Plus High-Flow nasal cannula
Sold in packages of 15
Size 2 270822
Size 3 270823
Size 4 270824

You'll find the complete line of accessories in the prismaVENT accessories catalog. The prismaVENT50-C is compatible with existing prismaVENT accessories.

Technical data

Product Class as per 93/42/EEC	IIa	
Dimensions W x H x D in cm	21.8 x 17.5 x 21.8	
Weight	2.5 kg	
Weight of internal rechargeable battery	0.63 kg	
Maximum air flow at 20 hPa	>220 l/min	
Operating time of internal rechargeable battery with the following settings: T mode, f = 20 /min, Ti = 1 s, PEEP = 4 hPa, Vt = 800 ml Passive lungs: Resistance R = 5 hPa (l/s); Compliance C = 50 ml/hPa	> 10 hours	
IPAP pressure range	4 to 50 hPa	
PEEP pressure range	4 to 25 hPa (leakage system) 0 to 25 hPa (valve system)	
Respiratory rate	0 to 60 l/min	
Target volume	100 ml to 2000 ml	
Trigger levels Inspiration Expiration	I (high sensitivity) to 8 (low sensitivity) 95% to 5% of maximum flow in steps of 5%	
Pressure increase speed	Level 1: 100 hPa/s Level 2: 80 hPa/s	Level 3: 50 hPa/s Level 4: 20 hPa/s
Pressure decrease speed	Level 1: 100 hPa/s Level 2: 80 hPa/s	Level 3: 50 hPa/s Level 4: 20 hPa/s
Tidal volume	100 ml to 2000 ml	
Maximum allowed flow with oxygen feed	15 l/min	



Löwenstein Medical Technology
Kronsaaßweg 40, 22525 Hamburg
Germany
T: +49 40 54702-0
F: +49 40 54702-461
info@loewensteinmedical.de
www.loewensteinmedical.de

