



prisma30ST-HFT

BiLevel ST with adjustable target volume and High Flow Therapy option.



Versatile. Reliable. Comfortable.

prisma30ST-HFT is the therapy device of choice for treatment of patients with Sleep-Disordered Breathing, chronic reduced respiratory drive and respiratory insufficiency.

Equipped with a variety of BiLevel options, target volume, backup frequencies and High Flow option, prisma30ST-HFT provides effective ventilation support that leads to lasting treatment success.

Major features at a glance

- Modes CPAP, APAP, S, T, S/T, autoS/T, aPCV and High Flow.
- Broad pressure range (4 – 30 hPa)
- State-of-the-art connectivity: Telemedicine (telemonitoring, telesetting), SD card, USB, LAN, PSG.
- SCOPES for indication-specific pre-settings
- Identification of periodic breathing, RERA, snoring, hypopnea, apnea and flow limitations
- With indicators for deep sleep and respiratory stability
- With adaptive ramps (IN/EX) and auto Trigger (IN/EX)
- Comfort functions such as autoSTART, autoSTOP, softSTART, softSTOP
- With smartAQUAcontrol (with use of prismaAQUA); intelligent humidification without extra sensors
- Additional High-Flow Therapy (HFT) option
 - Flushing of dead space and CO₂ elimination
 - Humidification and warming of the airways
 - Oxygenation improvement
 - Reduction in spontaneous respiratory rate

Accessories


Humidifier		Breathing tubes		For High-Flow Therapy only
prismaAQUA	WM 29680	Breathing tube Ø 22 mm	WM 24445	prisma VENT AQUA Humidifier 100506
Filters		Breathing tube Ø 15 mm	WM 29988	High-Flow leakage 271705 (i), auto-fill chamber; passive valve, Connection for HFT nasal cannula (150 cm + 60 cm, 22 mm Ø)
Bacteria filter	WM 24476	Breathing tube Autoclavable Ø 22 mm	WM 24667	Oxi Plus High-Flow nasal cannula Sold in packages of 15
Set of 12 pollen filters	WM 29652	prismaHYBERNITE, Ø 15 mm Heated breathing tube	WM 29083	Size 2 270822
Modules		prismaHYBERNITE, Ø 22 mm Heated breathing tube	WM 29067	Size 3 270823
prismaCHECK SpO ₂ module	WM 29390	Software		Size 4 270824
prismaCONNECT	WM 29670	prismaTS Therapy software complete with USB data cable	WM 93335	
prismaPSG PSG module	WM 29690			
Modem for prismaCLOUD	WM 31240			

Technical data

Product class as per Directive 93/42/EEC	IIa	Alarms	apnoe, low minute volume, low tidal volume, disconnection, high leak (optional)	
Dimensions (W x H x D)	170 x 135 x 180 mm	CPAP operating pressure range	4 hPa to 20 hPa	
Weight	1.4 kg	BiLevel operating pressure range	4 hPa to 30 hPa	
Temperature range		HFT flow	adjustable 10 l/min to 60 l/min	
• Operation:	+5 °C to +40 °C	Pressure accuracy	< 20 hPa: ± 0.6 hPa ≥ 20 hPa: ± 0.8 hPa	
• Transport and Storage:	-25 °C to +70 °C	Target volume	adjustable 300 to 2,000 ml	
Permitted humidity, operation and storage	rel. humidity 15% to 93%, no condensation	Backup frequency	0 bpm, 5 to 35 bpm, auto	
Air pressure range	700 hPa to 1060 hPa, corresponds to altitude of 3000 meters	softSTART, softSTOP adjustable	5 to 45 min	
Electric rating	max. 40VA	- Ti	0.3 s to 4 s	
System interface	12V DC max. 10VA	- Ti min	0.3 s to 4 s	
Power consumption in	240V 100V	- Ti max	0.3 s to 4 s	
• Operation (treatment):	0.11 A 0.25 A	- Ti timed	auto, 0.3 s to 4 s	
• Standby:	0.035 A 0.022 A	Peak flow as per ISO 80601-2-70, BiLevel mode	4 hPa	235 l/min
Classification as per EN 60601-1-11:			10.5 hPa	225 l/min
• Type of protection from electric shock:	protection class II		17 hPa	215 l/min
• Level of protection from electric shock:	type BF		23.5 hPa	200 l/min
• Protection from damaging ingress of water and solids:	IP21		25 hPa	195 l/min
Mean sound pressure/ Operation as per ISO 80601-2-70	about 26,5 dB(A) at 10 hPa	Stability of the dynamic pressure (short-term accuracy) as per ISO 80601-2-70 in modes with two pressure levels	30.0 hPa	190 l/min
		at 10 bpm inspiratory	Δp = 0.8 hPa	
		at 15 bpm inspiratory	Δp = 1.4 hPa	
		at 20 bpm inspiratory	Δp = 2.4 hPa	
		at 10 bpm expiratory	Δp = 0.6 hPa	
		at 15 bpm expiratory	Δp = 0.6 hPa	
		at 20 bpm expiratory	Δp = 0.6 hPa	

Device description	Ord. Nr.
prisma30ST-HFT	WM 29730

Please refer to the current price list.

 Löwenstein Medical Technology
Kronsaalweg 40, 22525 Hamburg
Germany
www.loewensteinmedical.de

Löwenstein Medical
Arzbacher Straße 80, 56130 Bad Ems
Germany
T: +49 2603 9600-0
F: +40 2603 9600-50
info@hul.de, www.hul.de

