



## 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 CO<sub>2</sub> 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 <sub>2</sub> 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.

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