



SOMNOsoft 2e

CPAP device

Our quietest CPAP therapy – effective and comfortable

The CPAP therapy device SOMNOsoft 2e effectively treats Obstructive Sleep Apnea. The intelligent pressure relief soft-PAP assists sensitive patients who have trouble exhaling against high CPAP pressure. The graphic presentation of obstructive and central events, which are reliably distinguished by OPP technology, gives the treating physician ideal input for diagnoses and therapy decisions. Work processes are significantly optimized with use of the SD card.

Comfortable therapy

- Extremely quiet
- softSTART

Convenient operation

- SD card to optimize work processes:
 - Easy data transfer for therapy and compliance monitoring
 - Simple first-time device configuration
 - Uncomplicated exchange of devices
 - Practical device setting with the help of the master card

- User-friendly patient information menu
- Extensive statistical data clearly presented
- Convenient data and device management with PC-software prismaTS
- Additional analog signals for PSG feed: pressure, flow, leakage, OPP, relative respiratory minute volume

Safety

- OPP technology (Obstructive Pressure Peak) distinguishes central and obstructive apnea for greatest therapy effectiveness and provides solid basis for decisions by doctor
- Mask test ensures a comfortable and secure fit of the mask.
- Qualitative leakage display during therapy – to ensure effectiveness

Accessories



For more information on our therapy solutions, accessories and mask systems please visit loewensteinmedical.de/en

Technical data

Product class as per directive 93/42/EEC:	IIa	Electromagnetic compatibility as per EN 60601-1-2	Test parameters and limits may be requested from manufacturer:
Dimensions (W x H x D):	210 x 90 x 270 mm	• Radio interference suppression:	EN 55011 B
Weight:	about 1.7 kg	• Radio interference resistance:	EN 61000-4 parts 2 to 6, part 11
Temperature range		Mean sound level/ measured in patient position one meter from operating device as per EN ISO 17510:2009:	about 25.8 dB(A) at 10 hPa
• Operation:	+5 °C to +35 °C	Operational pressure range, pressure precision: (1 mbar = 1 hPa ≈ 1 cm H ₂ O)	4 to 20 hPa ±0.6 hPa
• Storage:	-40 °C to +70 °C If the device is operated at +40 °C, the air supplied may have a temperature of up to 42 °C.	Max. pressure in event of failure:	< 40 hPa
Relative humidity, Operation and storage:	95% rel. humidity (no condensation)	Flow at max. rotation:	20 hPa 115 l/min 10 hPa 145 l/min 0 hPa 175 l/min tolerance ±15 l/min
Air pressure range:	700 – 1100 hPa (automatic altitude adjustment makes operation up to 2500 meters possible)	Heating of respiratory air:	2.5 °C
Connection diameter air hose (mask side):	19.5 mm (suitable for 22 mm norm conus)	Short-term pressure constancy with 10 breaths/min as per EN ISO 17510-1:2009 at:	20 hPa Δp = 0.2 hPa 16 hPa Δp = 0.2 hPa 12 hPa Δp = 0.2 hPa 8 hPa Δp = 0.2 hPa 4 hPa Δp = 0.2 hPa
Electrical connection:	115 – 230V AC +10/-15%, 50 – 60 Hz with power unit WM 24480 or 12–24V DC +25/-15% with DC adapter WM 24469	Fine filter separation level	up to 1 μm: ≥ 99.5% up to 0.3 μm: ≥ 85%
Current consumption at	230V 115V 24V 12V	Fine filter service life:	about 250 hours in normal ambient air
• Operation:	0.1 A 0.2 A 0.9 A 1.8 A		
• Standby:	0.02 A 0.04 A 0.2 A 0.4 A		
Classification as per EN 60601-1:2005			
• Protection from electric shock:	protection class II		
• Degree of protection from electric shock:	type BF		
• Protection from harmful penetration of water:	IPX1		
• Operational type:	continuous		

Device description	Article Number
SOMNOsoft 2e	WM 29820
SOMNOsoft 2e with SOMNOaqua	WM 29860
SOMNOaqua	WM 24403



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