

SOMNObalance e

Our quietest autoCPAP therapy – balanced and flexible

The autoCPAP therapy device SOMNObalance e is equipped with Obstructive Pressure Peak (OPP) technology which reliably distinguishes obstructive from central events. With automatic and continuous pressure adjustments in response to patient needs, the device offers great flexibility in therapy options. A selection of modes, which can be combined with intelligent softPAP pressure relief, makes SOMNObalance e even more flexible. The SD card helps to significantly optimize work processes.



SOMNObalance e with
SOMNOaqua, WM 27460

Comfortable therapy

- Extremely quiet
- Automatic needs-oriented pressure adjustment in phases of high pressure variability
- Softstart and ON/OFF automatic

Convenient operation

- **NEW:** SD card to optimize work processes:
 - Easy data transfer for therapy and compliance monitoring
 - Simple first-time device configuration
 - Uncomplicated exchange of devices
 - With therapy diary for patient
 - Practical device setting with the help of the master card
- User-friendly patient information menu
- Extensive statistical data clearly presented

- Convenient remote setting with SOMNOadjust or with PC software WEINMANNsupport
- Additional analog signals for PSG feed: pressure, flow, leakage, OPP, relative respiratory minute volume

Safety and reliability

- OPP technology (Obstructive Pressure Peak) distinguishes central and obstructive apnea
- In combination with further signals minor obstructive events are already treated to avoid severe obstructive events.
- Mask test ensures a comfortable and secure fit of the mask even at rising pressure levels during the night.
- Qualitative leakage display during therapy – to ensure effectiveness

Device Description

SOMNObalance e
SOMNObalance e with SOMNOaqua
SOMNOaqua

WM-No.

27420
27460
24403



Accessories

- 1 **SOMNOaqua – WM 24403**
heated humidifier 300 ml
- 2 **Bacteria filter – WM 24476**
- 3 **O₂ valve – WM 24042**
safe oxygen feed
- 4 **DC adapter – WM 24469**
- 5 **WEINMANNsupport – WM 93301 (not shown)**
PC software for setting and analysis

Our complete range of therapy solutions, accessories and mask systems is at: weinmann.de

Technical Data SOMNObalance e



Product class as per directive 93/42/ECC:	IIa	Electromagnetic compatibility as per EN 60601-1-2	Test parameters and limits may be requested from manufacturer. ■ Radio interference suppression: EN 55011 B ■ Radio interference resistance: EN 61000-4 Parts 2 to 6, Part 11
Dimensions (W x H x D):	210 x 90 x 270 mm	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
Weight:	about 1.7 kg	Operational pressure range, pressure precision:	4 to 20 hPa ±0.6 hPa (1 mbar ± 1 hPa ≈ 1 cm H ₂ O)
Temperature range ■ Operation: ■ Storage:	+5 °C to +35 °C -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 0 hPa 175 l/min 10 hPa 145 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 as per EN ISO 17510:2009 at:	18 hPa Δp = 0.5 hPa 15 hPa Δp = 0.4 hPa 11 hPa Δp = 0.4 hPa 8 hPa Δp = 0.4 hPa 4 hPa Δp = 0.4 hPa
Electrical connection:	115 – 230 V AC +10/-15%, 50 – 60 Hz with power unit WM 24480 or 12 – 24 V DC +25/-15% with DC adapter WM 24469	Long-term pressure constancy as per EN 17510-1:2009:	Δp = 0.1 hPa
Current consumption at ■ Operation: ■ Standby:	230 V 0.1 A 115 V 0.2 A 24 V 0.9 A 12 V 1.8 A 0.02 A 0.04 A 0.2 A 0.4 A	Fine filter separation level up to 1 µm: up to 0.3 µm:	≥ 99,5 % ≥ 85 %
Classification as per EN 60601-1:2005 ■ Protection from electric shock: ■ Degree of protection from electric shock: ■ Protection from harmful penetration of water: ■ Operational type:	Protection class II Type BF IPX1 Continuous	Fine filter service life:	about 250 hours in normal ambient air

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