

VENTImotion 2

Highest ventilation standards – optimal with COPD

The therapy device VENTImotion 2 offers more quality and comfort in non-invasive pressure-controlled ventilation. The new pressure relief AirTrap Control counteracts dynamic hyperinflation. In combination with Trigger Lockout, which suppresses faulty triggers, AirTrap Control makes ventilation more comfortable, particularly for COPD patients. Beyond that, the optimized regulation of tidal volume by the volume compensation function guarantees a high degree of safety and stability.



VENTImotion 2

Display

Greater therapy comfort and improved ventilation quality – especially for COPD patients

- AirTrap Control: pressure relief to avoid dynamic hyperinflation
- Trigger Lockout: more effective protection from faulty triggering and trigger artefacts
- Variable pressure increase and decrease speeds can be set
- Extremely quiet: only 26 dB(A)

Optimum safety and stability of tidal volume

- Volume compensation: The speed of automatic regulation to target volume can be adjusted.

Simple operation

- Intuitive user guidance with rotary pushbutton and direct access to most important ventilation parameters
- Auto-Start: The device is switched on with the first inspiratory breath.
- Numeric and graphic display of ventilation parameters
- WEINMANNsupport software: Remote setting and therapy analysis possible at PC

Compatible with VENTI line accessories

- VENTiClick humidifier
- Oxygen valve (VENTI-O₂ plus)
- VENTiPower external battery
- Versatile Weinmann mask system: JOYCE, JOYCE GEL, JOYCE Full Face and JOYCE Full Face GEL

Device Description	WM No.
VENTImotion 2	27800
VENTImotion 2 with VENTiClick humidifier	27830



Accessories

- 1 VENTlick – WM 24365**
Adaptable humidifier without extra power supply or extra hoses
- 2 VENTpower – WM 27630**
Optional external battery guarantees several hours of device operation.
- 3 VENTI-O₂ plus – WM 27200**
Adaptive oxygen valve without extra connection hose: no impairment of trigger and volume compensation with oxygen feed up to 15 l/min
- WEINMANNsupport – WM 93305**
- 4** PC software with converter cable USB-RS 485 (WM 93321) for settings and analyses

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

Technical Data VENTImotion 2



Product class as per 93/42/EWG:	II a		Ventilation modes:	CPAP, ST (S), T
Dimensions (W x H x D):	230 x 120 x 280 mm		Respiratory rate:	6 to 45 1/min
Weight:	ca. 3,7 kg		Accuracy:	±0.5 1/min
Temperature range			Increment:	1 1/min
■ Operation:	+5 °C to +35 °C		I:E Ratio	
■ Storage:	-40 °C to +70 °C		■ Inspiration time (Ti/T):	20% to 67% of respiratory period
Air pressure range:	600 – 1100 hPa (for operation at altitudes up to 4000 m)		■ Increment:	1%
Electrical connections:	115 – 230 V AC, 50 – 60 Hz Tolerance -20% +10%		■ Accuracy:	±1%
Power consumption at	230 V	115 V	Trigger level:	can be set in 6 levels, separate for inspiration and expiration, the trigger for expiration can be disabled in ST mode t
■ Operation:	0.15 A	0.3 A	Pressure increase/Pressure decrease speed:	can be set in 6 levels
■ Standby:	0.050 A	0.108 A	Accuracy volume measurement:	at 23 °C: ±15%
Classification as per EN 60601-1			Flow at max. rotation speed at 0 hPa:	285 l/min ±15 l/min
■ Type of protection from elec. shock:	Protection class II		Flow at max. rotation speed with bacteria filter at 0 hPa:	270 l/min ±15 l/min
■ Level of protection from elec. shock:	Type BF		Heating of respiratory air as per HMV:	2.5 °C
Electromagnetic compatibility as per EN 60601-1-2			Pressure constancy measured as per DIN EN ISO 17510 in CPAP mode:	at 20 hPa: Δp ≤ 1 hPa at 14 hPa: Δp ≤ 1 hPa at 10 hPa: Δp ≤ 1 hPa at 7 hPa: Δp ≤ 0.5 hPa
■ Radio interference suppression:	EN 55011		Fine filter degree of separation up to 2 μm:	≥ 99.7%
■ Immunity to interference:	EN 61000-3-2, EN 61000-3-3, EN 61000-4-2 bis 6, EN 61000-4-8, EN 61000-4-11		Fine filter service life:	1000 hours in normal ambient air
Mean sound pressure level/ operation as per EN ISO 17510 at a distance of 1 m from device in patient position:	at 20 hPa	about 32 dB (A)	Allowable humidity for storage and operation:	≤ 95% relative humidity (no condensation)
	at 15 hPa	about 30 dB (A)	System resistance at air flow of 60 l/min at patient connection opening	
	at 12 hPa	about 28 dB (A)	VENTImotion 2	
	at 10 hPa	about 26 dB (A)	with hose system WM 24130 and Silentflow WM 23600:	0.20 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
	at 7 hPa	about 24 dB (A)	VENTImotion 2 with O ₂ hose system WM 23737, VENTIclick WM 24365 and bacteria filter WM 24148:	0.31 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
Sound pressure level, alarm:	about 62 dB (A)			
IPAP pressure range:	6 to 30 hPa			
EPAP pressure range:	4 to 20 hPa			
CPAP pressure range:	4 to 20 hPa			
Pressure accuracy:	±0.6 hPa			
Increment:	0.2 hPa (1 hPa ≈ 1 cm H ₂ O)			
Minimal stable limit pressure (PLS_{min}) (min. pressure in event of fault):	≥ 0 hPa			
Maximal stable limit pressure (PLS_{max}) (max. pressure in event of fault):	≤ 60 hPa			

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