

VENTImotion 2

Greater comfort and stability in non-invasive ventilation

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.



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
- Expiratory pressure ramp: increase of exhaled volume by means of splint in small airways
- 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

- VENTIdlick 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 VENTIdlick 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
- 4 WEINMANNsupport – WM 93305**
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	
Dimensions (W x H x D):	230 x 120 x 280 mm	
Weight:	ca. 3,7 kg	
Temperature range		
■ Operation:	+5 °C to +35 °C	
■ Storage:	-40 °C to +70 °C	
Air pressure range:	600 – 1100 hPa	
(for operation at altitudes up to 4000 m)	automatic altitude adjustment	
Electrical connections:	115 – 230 V AC, 50 – 60 Hz	
	Tolerance -20% +10%	
Power consumption at	230 V	115 V
■ Operation:	0.15 A	0.3 A
■ Standby:	0.050 A	0.108 A
Classification as per EN 60601-1		
■ Type of protection from elec. shock:	Protection class II	
■ Level of protection from elec. shock:	Type BF	
Electromagnetic compatibility as per EN 60601-1-2		
■ Radio interference suppression:	EN 55011	
■ 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	
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)
	at 15 hPa	about 30 dB (A)
	at 12 hPa	about 28 dB (A)
	at 10 hPa	about 26 dB (A)
	at 7 hPa	about 24 dB (A)
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	

Ventilation modes:	CPAP, ST (S), T	
Respiratory rate:	6 to 45 1/min	
Accuracy:	±0.5 1/min	
Increment:	1 1/min	
I:E Ratio		
■ Inspiration time (Ti/T):	20% to 67% of respiratory period	
■ Increment:	1%	
■ Accuracy:	±1%	
Trigger level:	can be set in 6 levels, separate for inspiration and expiration, the trigger for expiration can be disabled in ST mode t	
Pressure increase/Pressure decrease speed:	can be set in 6 levels	
Accuracy volume measurement:	at 23 °C: ±15%	
Flow at max. rotation speed at 0 hPa:	285 l/min ±15 l/min	
Flow at max. rotation speed with bacteria filter at 0 hPa:	270 l/min ±15 l/min	
Heating of respiratory air as per HMV:	2.5 °C	
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	
Fine filter degree of separation up to 2 μm:	≥ 99.7%	
Fine filter service life:	1000 hours in normal ambient air	
Allowable humidity for storage and operation:	≤ 95% relative humidity (no condensation)	
System resistance at air flow of 60 l/min at patient connection opening		
VENTImotion 2 with hose system WM 24130 and Silentflow WM 23600:	0.20	$\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
VENTImotion 2 with O ₂ hose system WM 23737, VENTlick WM 24365 and bacteria filter WM 24148:	0.31	$\frac{\text{kPa} \cdot \text{s}}{\text{l}}$

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