

VENTImotion

At home or on the road: optimal unloading of respiratory pump

VENTImotion is the ventilator for broad application in cases of respiratory pump insufficiency or other acute respiratory failure. It responds to a light inspiratory or expiratory trigger and if required, can deliver peak flows at maximum inspiratory pressure. Even with high blower performance (300 L/min), the device is very quiet at about 25 db(A).

VENTImotion incl. VENTI-O₂ plus, VENTiClick and JOYCE GEL



VENTI-O₂ plus

Display view

Online monitoring and visualization

- Numeric and graphic ventilation parameters
- Curve shown online in the display or optionally with additional tools on PC screen
- Display of change from spontaneous (trigger) to mandatory breath
- Settings made in off-line or online during operation

Innovative operation

- Auto-Start: The device is turned on with the first inspiratory breath.
- Intuitive user guidance with push-dial: select, change, confirm.
- Direct access to most important ventilation parameters
- Volume compensation set with targeted tidal volume
- Simple and economical hygiene concept for change of patient with Weinmann Hygienebox

Accessories and therapy assistance

- Adaptable humidifier (VENTiClick) without additional power supply or hose
- Adaptable oxygen valve (VENTI-O₂ plus) without additional hosing: no impairment of trigger and volume compensation by oxygen feed up to 15 L/min
- Optional external battery (VENTIpower) guarantees device operation for several hours.
- PC software for patient settings and therapy analysis. Use of optional analog box makes online presentation of ventilation parameters (in curves) possible.
- Compatible accessories for all Weinmann VENTI-devices
- Versatile Weinmann mask system: JOYCE Full Face, JOYCE and gel masks



Accessories

- 1 **VENTIclick** – WM 24365
Humidifier
- 2 **VENTIpower** – WM 24100
External rechargeable battery
- 3 **VENTI-O₂ plus** – WM 27210
Oxygen valve
- 4 **VENTIsupport** – WM 93340
PC software for setting and analysis

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

Technical Data VENTImotion



Product class as per directive 93/42/EWG: II a		Respiratory rate:	6 to 45 1/min
Dimensions (W x H x D):	230 x 125 x 340 mm	Precision:	±0.5/min
Weight:	approx. 4.5 kg	Increment:	1/min
Temperature range		I:E ratio	
■ Operation:	+5 °C to +35 °C	■ Inspiration time:	20% to 67% of respiratory period
■ Storage:	-40 °C to +70 °C	■ Increment:	1%
Air pressure range:	750 – 1100 hPa	■ Precision:	±1 %
Electrical connection:	115 – 230 V AC, 50 – 60 Hz Tolerance -20 % +10 %	Trigger stage:	Adjustable in six stages, separate for inspiration and expiration, trigger for expiration can be deactivated in ST mode (equivalent to PCV mode)
Power consumption at	230 V 115 V	Pressure increase/ decrease speed:	adjustable in six stages
■ Operation:	0.2 A 0.4 A	Precision in volume measurement:	at 23 °C: ±15 %
■ Standby:	0.043 A 0.068 A	Flow at max. speed at 0 hPa:	300 l/min ±15 l/min
Classification as per IEC 60601-1		Flow at max. speed with bacteria filter at 0 hPa:	270 l/min ±15 l/min
■ Type of protection from elec. shock:	Protection class II	Heating of respiratory air as required in HMV:	2.5 °C
■ Degree of protection from elec. shock:	Type B	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
Electromagnetic compatibility as per IEC 60601-1-2		Fine filter separation level up to 2 μm:	≥ 99.7 %
■ Radio interference suppression:	EN 55011	Fine filter service life:	1000 hours in normal ambient air
■ Radio interference resistance:	EN 61000-3-2, EN 61000-3-3, EN 61000-4-2 bis 6, EN 61000-4-8, EN 61000-4-11	Allowable humidity for operation and storage:	≤ 95 % rel. humidity (no condensation)
Mean sound pressure level/ operation as per EN ISO 17510 in patient position one meter from device:	at 20 – 35 hPa approx. 35 dB (A) at 20 hPa approx. 31 dB (A) at 15 hPa approx. 29 dB (A) at 12 hPa approx. 27 dB (A) at 10 hPa approx. 25 dB (A) at 7 hPa approx. 23 dB (A)	System resistance at air flow of 60 l/min at patient connection port	
IPAP pressure range:	6 to 35 hPa	VENTImotion with hose system WM 24130 and Silentflow WM 23600:	0.19 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
EPAP pressure range:	4 to 20 hPa	VENTIclick WM 24365 and bacteria filter WM 24148:	0.29 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
CPAP pressure range:	4 to 20 hPa		
Pressure constancy:	±0.6 hPa		
Increment:	0.2 hPa (1 hPa ≈ 1 cm H ₂ O)		
Minimum stable marginal pressure (PLS_{min}) (min. pressure in event of fault):	≥ 0 hPa		
Maximum stable marginal pressure (PLS_{max}) (max. pressure in event of fault):	≤ 60 hPa		

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■ **Germany** ■ Weinmann Geräte für Medizin GmbH+Co.KG · P.O.Box 540268 · D-22502 Hamburg · Kronsaalweg 40 · D-22525 Hamburg · E: info@weinmann.de · www.weinmann.de · T: +49-(0)40-5 47 02-0
F: +49-(0)40-5 47 02-461 ■ **Center for Production, Logistics, Service** · Weinmann Geräte für Medizin GmbH+Co.KG · Siebenstücken 14 · D-24558 Henstedt-Ulzburg · T: +49-(0)4193-88 91-0
F: +49-(0)4193-88 91-450 ■ **Switzerland** ■ G. Weinmann AG – Neuenhof · T: +41-(0)56-416 41 11 · E: info@ch.weinmann.de · www.weinmann.de ■ **France** ■ Weinmann S.A.R.L. – Paris-Igny
T: +33-(0)1 69 35 53 20 · E: info@fr.weinmann.de · www.weinmann.de ■ **Asia-Pacific** ■ Weinmann Medical Technology Asia Co., Ltd. – Bangkok · T: +66-(0)2-7 45 71 70 · E: info@th.weinmann.de
www.weinmann.de ■ **Australia** ■ Weinmann (Australia) Pty. Ltd. – Melbourne · T: +61-(0)3-95 43 91 97 · E: info@au.weinmann.de · www.weinmann.de ■ **New Zealand** ■ Weinmann (New Zealand) Ltd.
New Plymouth T: +64-(0)6-7 59 22 10 · E: info@nz.weinmann.de · www.weinmann.de ■ **China** ■ Weinmann GmbH+Co.KG (Shanghai Rep. Office) · T: +86 21 32 26 26 98 · E: info@cn.weinmann.de
www.weinmann.de