



# VENTImotion 2

Convincing effectiveness

Ein Unternehmen der Löwenstein-Gruppe

**WEINMANN**  
medical technology

# VENTImotion 2

is now even more versatile.



*More versatility with VENTImotion 2! That means more convenience and effectiveness for you with non-invasive, pressure-controlled ventilation.*

*Now with VENTImotion 2 you can increase inspiratory pressure up to 40 hPa – and thereby broaden your usage spectrum. The newly integrated TA mode (Timed Adaptive), which synchronizes the ventilator and the patient's breathing pattern, helps to reduce the patient's Work Of Breathing.*

*The proven combination of trigger lockout, exhalation monitoring AirTrap Control and expiratory ramp simplifies ventilation of COPD patients in particular. Thanks to the optimized regulation of tidal volume by means of volume compensation, VENTImotion 2 ensures a high degree of safety and stability.*

## **Operating convenience**

- Intuitive navigation with rotary dial and direct access to the most important ventilation parameters
- Softstart
- Numeric and graphic display of ventilation parameters
- Compatible with accessories for the VENTI product line

## **Safety**

- Visual and acoustic alarms
- Optional back-up power supply provided by external rechargeable battery VENTIpower for up to seven hours of operation
- High flow of up to 300 liters/min for pressure constancy and leakage compensation.
- Weinmann Hygiene Concept complies with hygiene guidelines issued by Robert-Koch Institute.



With humidifier VENTiClick and oxygen valve VENTI-O<sub>2</sub> plus



With VENTipower



In the transport bag



**COPD AirTrap Control**  
exhalation monitoring

**COPD Trigger**  
lockout time  
stable exhalation

**COPD Expiratory ramp**  
holds airways open

**TA Mode**  
optimum synchronization

**Volume compensation**  
safety and stability

## More therapy comfort and convenience with our innovative features

### ■ TA mode (Timed Adaptive)

Controlled adaptive ventilation (TA mode) improves therapy compliance through optimized synchronization of ventilation with the patient's breathing pattern. The respiratory pump is effectively unloaded. The adaptive algorithm increases patient comfort and simplifies the setting process for the doctor.

### ■ Volume compensation

Optimum safety and stability of tidal volume. Three different speeds can be set for an increase in tidal volume. Volume compensation automatically switches to precise regulation upon reaching a corridor around the targeted volume in order to achieve the most precise setting for targeted volume.

**Plus:**  
✓ IPAP to 40 hPa

### Device description

VENTImotion 2  
VENTImotion 2  
with humidifier VENTiClick

### WM Nr.

27800  
27830

### Particularly suitable for COPD patients

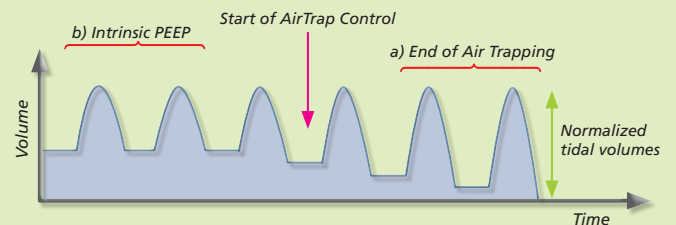
#### ■ Trigger lockout

Trigger lockout with high trigger sensitivity is effective protection from false triggering and trigger artefacts. This function ensures improved synchronization between patient and ventilator and thereby stabilizes the ventilation situation.

#### ■ AirTrap Control

AirTrap Control helps to prevent dynamic hyperinflation and makes it possible for VENTImotion 2 to automatically regulate to the best frequency and expiration time for each patient.

#### With AirTrap Control – possible volume development in COPD



#### ■ Expiratory ramp

The expiratory ramp is the temporary splint applied to the airways at the start of expiration to counteract an expiratory collapse. The expiratory flow remains higher on average, allowing the volume to be exhaled and the respiratory position to be lowered.



## Accessories

- VENTlick – WM 24365**  
Adaptable humidifier without extra power supply and tubes
- VENTpower – WM 27630**  
Optional external battery guarantees several hours of device operation
- VENTI-O<sub>2</sub> plus – WM 27200**  
Adaptive oxygen valve without additional connection tube: no adverse effect on trigger and volume compensation from oxygen feed up to 15 l/min
- WEINMANNsupport – WM 93305**  
PC software with converter cable USB-RS 485 (WM 93321) for setting and analysis

For more information on our therapy solutions, accessories and mask systems please visit [weinmann-medical.com](http://weinmann-medical.com)



Technical data

<b>Product class as per 93/42/EEC:</b>	II a	<b>Ventilation modes:</b>	CPAP, ST, T, TA
<b>Dimensions (W x H x D):</b>	230 x 120 x 280 mm	<b>Respiratory frequency:</b>	6 to 45 bpm
<b>Weight:</b>	approx. 3.7 kg	<b>Accuracy:</b>	±0,5 bpm
<b>Temperature range</b>		<b>Increment:</b>	1 bpm
■ Operation:	+5 °C to +35 °C	<b>I:E ratio:</b>	
■ Storage:	-40 °C to +70 °C	■ Inspiration time:	15% to 67% of respiratory period
<b>Air pressure range:</b>	600 – 1100 hPa (allows operation up to altitude of 4000 meters) automatic altitude adjustment	■ Increment:	1%
<b>Electric connection:</b>	115 – 230 V AC, 50 – 60 Hz tolerance -20% +10 %	■ Accuracy:	±1%
<b>Current consumption at:</b>	<b>230 V</b> <b>115 V</b>	<b>Trigger level:</b>	can be set at six levels, separate for inspiration and expiration, expiration trigger can be deactivated for ST mode
■ Operation:	0.17 A      0.3 A	<b>Pressure increase/pressure decrease speed:</b>	can be set at six levels
■ Standby:	0.050 A      0.108 A	<b>Accuracy Volume measurement:</b>	at 23 °C: ±15 %
<b>Classification as per EN 60601-1</b>		<b>Flow at max. motor speed at 0 hPa:</b>	285 l/min ±15 l/min
■ Type of protection from electric shock:	protection class II	<b>Flow at max. motor speed with bacteria filter at 0 hPa:</b>	270 l/min ±15 l/min
■ Degree of protection from electric shock:	type BF	<b>Heating of respiratory air as per HMV:</b>	2.5 °C
<b>Electromagnetic compatibility as per EN 60601-1-2</b>		<b>Pressure constancy measured as per DIN EN ISO 17510 in CPAP mode:</b>	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	<b>Fine filter filtration degree up to 2 μm:</b>	≥ 99.7 %
■ Radio interference immunity:	EN 61000-3-2, EN 61000-3-3, EN 61000-4-2 to 6, EN 61000-4-8, EN 61000-4-11	<b>Fine filter service life:</b>	1000 hours with normal ambient air
<b>Mean sound pressure level/ Operation as per EN ISO 17510 at a distance of 1 m from device in patient position:</b>	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)	<b>Allowed humidity for operation and for storage:</b>	≤ 95 % rel. humidity (no condensation)
<b>Sound pressure level for alarm:</b>	about 62 dB (A)	<b>System resistance with air flow of 60 l/min at patient connection</b>	
<b>IPAP pressure range:</b>	6 to 40 hPa	VENTImotion 2 with tube system WM 24130 and Silentflow WM 23600:	0,20 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
<b>EPAP pressure range:</b>	4 to 20 hPa	VENTlick WM 24365 and bacteria filter WM 24148, VENTImotion 2 with O <sub>2</sub> tube system WM 23737:	0,31 $\frac{\text{kPa} \cdot \text{s}}{\text{l}}$
<b>CPAP pressure range:</b>	4 to 20 hPa		
<b>Pressure accuracy:</b>	±0.6 hPa		
<b>Increment:</b>	0.2 hPa (1 hPa ≈ 1 cm H <sub>2</sub> O)		
<b>Minimum stable limit pressure (PLS<sub>min</sub>) (min. pressure in event of fault):</b>	≥ 0 hPa		
<b>Maximum stable limit pressure (PLS<sub>max</sub>) (max. pressure in event of fault):</b>	≤ 60 hPa		

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