Ventilation / VENTImotion 2

Ventilation modes:
- CPAP
- ST
- T
- TA

Respiratory frequency:
- Accuracy: ±0.5 l/min
- Increment: 1 l/min

I:E ratio:
- Accuracy: ±1%
- Increment: 15% to 67% of respiratory period

Trigger level:
- can be set at six levels, separate for inspiration and expiration, expiration trigger can be deactivated for ST mode

Pressure increase/decrease speed:
- can be set at six levels

Accuracy Volume measurement:
- at 23 °C: ±15%

Flow at max. motor speed:
- at 0 hPa: 285 l/min ±15 l/min
- 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:
- at 20 hPa: ∆p ≤ 1 hPa
- at 14 hPa: ∆p ≤ 1 hPa
- at 10 hPa: ∆p ≤ 1 hPa
- at 7 hPa: ∆p ≤ 0.5 hPa

Fine filter filtration degree:
- up to 2 µm: ≥ 99.7%

Fine filter service life:
- 1000 hours with normal ambient air

Sound pressure level for alarm:
- ≥ 62 dB (A)

Mean sound pressure level:
- at a distance of 1 m from device in patient position:
  - CPAP: 20 to 30 hPa: 150 to 190 dB
  - CPAP: 30 to 40 hPa: 200 to 240 dB
  - CPAP: 40 to 50 hPa: 250 to 290 dB
  - CPAP: 50 to 60 hPa: 300 to 340 dB

Maximum stable limit pressure:
- P<sub>LS</sub>(min. pressure in event of fault): 0 hPa
- P<sub>LS</sub>(max. pressure in event of fault): 60 hPa

Mean pressure for operation:
- 0.2 hPa ±10%

Now with new features!
- IPAP to 40 hPa
- Timed Adaptive (TA) mode
- VENTI platform operating concept

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

Accessories
- VENTIclick – WM 24365
- Adaptable humidifier without extra power supply and tubes
- VENTIpower – WM 27630
- Optional external battery guarantees several hours of device operation
- VENTI-O 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

WEINMANN support – WM 93305
- PC software with converter cable USB-RS 485 (WM 93321) for setting and analysis
More versatility with VENTI motion 2! That means more convenience and effectiveness for you with non-invasive, pressure-controlled ventilation.

Now with VENTI motion 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 Air Trap Control and expiratory ramp simplifies ventilation of COPD patients in particular. Thanks to the optimized regulation of tidal volume by means of volume compensation, VENTI motion 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 VENTI power 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.

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.

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.

- **Air Trap Control**
  Air Trap Control helps to prevent dynamic hyperinflation and makes it possible for VENTI motion 2 to automatically regulate to the best frequency and expiration time for each patient.

With Air Trap 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.