

Taking Non-Invasive Ventilation Further

The Respironics V60 Fan combines Respironics ventilation expertise with the goal of simplifying Philips advanced healthcare. The Respironics V60 uses Auto-Trak technology to help ensure patient synchrony and therapy acceptance. Auto-Trak technology is designed to address the specific challenges of NIV. By providing automatically adapted leak compensation, inspiratory provocation and expiratory cycle, Auto-Trak offers optimal synchrony against dynamic leaks and changes in demand of the patient.

The success of NIV often depends on the speed and ease of initiating treatment. The V60 supports this critical step in NIV with an expansive color touchscreen and presets for Respironics hospital masks. The setting is selected and V60 automatically calibrates the flow characteristics for better tracking and therapy.

- Respironics V60 also helps take NIV even further by meeting the needs of a wider patient population. Designed for pediatric use and equipped with several modes, V60 allows you to meet the specific needs of each patient.
- AVAPS maintains a specific wave volume in a limited pressure mode. An additional warranty similar to a limited volume mode is provided with the safety of a limited pressure mode.
- CPAP with C-Flex offers three levels of flow-based expiratory pressure relief. This option leads to the improvement of sleep quality and comfort of the patient, adding greater flexibility and better acceptance of treatment.
- PCV can be used when greater control of the patient's breathing pattern is required. In addition, the option of ventilating a patient invasively gives medical staff greater flexibility in approaching treatment.
- PPV (proportional pressure ventilation) supplies pressure and flow in proportion to the patient's effort, allowing the Patient more efficiently adjust their breathing to meet their changing needs. Proportional care modes have been shown to reduce pressure peaks compared to pressure carriers and can improve patient comfort. Patient comfort leads to adherence to therapy, which can improve the success of non-invasive ventilation.
- Auto-Trak Plus, an optional software option available in the S/T, PC, AVAPS and PPV modes, and is for the subgroup of patients who could benefit from a personalized activation assessment and cycle criteria. In certain patients with very weak efforts or in others with low compliance, Auto-Trak Plus allows physicians to make finely tuned adjustments to the Auto-Trak algorithm base to achieve patient-ventilator synchrony.



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Respironics V60 advantages:

- High-resolution graphics make it easy to interpret waveforms.
- The 6-hour internal battery allows intra-hospital transport (real battery time may vary depending on user settings and battery charge level).
- Standby mode supports doctor-patient interaction without false alarms.
- Data communication capabilities support hospital connectivity.
- Respi-Link, a remote communication tool, allows efficient system diagnostics and updates over the Internet.

Specs

Patient Types

- Adult: ≥ 20 kg
- Pediatric: ≥ 20 kg

Modes

- CPAP - Continuous positive airway pressure
- S/T - Spontaneous with timed backup
- PCV - Pressure control ventilation
- AVAPS - Average volume assured pressure support (optional)
- PPV - Proportional pressure ventilation

(optional) Settings

- C-Flex: Off, 1 to 3
- CPAP: 4 to 25 cm H₂O
- EPAP: 4 to 25 cm H₂O
- IPAP: 4 to 40 cm H₂O
- I-time (inspiratory time): 0.30 to 3.00 sec
- Max P (AVAPS maximum IPAP): 6 to 40 cm H₂O
- Min P (AVAPS minimum IPAP): 5 to 30 cm H₂O
- O₂ (oxygen percent): 21 to 100%
- Ramp Time: Off, 5 to 45 min
- Rate (respiratory rate): 4 to 60 BPM
- Rise (rise time): 1 to 5
- Triggering and cycling: Auto-adaptive (Auto-Trak) or Auto-Trak Plus (optional) Trigger = normal, +1 to +7, Cycle = -2, -1, normal, +1 to +6
- AVAPS target tidal volume: 200 to 2000 ml BTPS
- Max E: 0 to 100 cmH₂O/l
- Max R: 0 to 50 cmH₂O/l/s

PPV%: 0 to 100%

- Max P (PPV maximum pressure limit): 5 to 40 cmH₂O
- Max V (PPV maximum volume limit): 200 to 3500

ml Patient Data

- Breath phase/trigger indicator: Spont, Timed, Exhale
- PIP: 0 to 50 cm H₂O
- Patient/total leak: 0 to 200 l/min BTPS
- Patient Trigger: 0 to 100%
- Respiratory Rate: 0 to 90 BPM
- Ti/Ttot: 0 to 91%
- Minute volume: 0 to 99.0 l/min BTPS
- Tidal volume: 0 to 3000 ml

BTPS General

- Oxygen inlet pressure range: 276 to 600 kPa (40 to 87 psig)
- Weight with optional battery: 10.9 kg (24 lb)
- Weight without optional battery: 10.0 kg (22 lb)

Dimensions

- Height: 33.7 cm (13.3 in)
- Width: 39.4 cm (15.5 in)
- Depth: 42.9 cm (16.5 in)

Electrical

- AC voltage: 100 to 240 VAC
- AC frequency: 50 to 60 Hz
- AC power: 300 VA
- Battery operating time: 6 hours in normal conditions