Dedicated to successful NIV

Because every breath matters and each one is different, patients need a ventilator that always follows their breathing pattern, whatever their acuity. Philips Respironics V60 Ventilator combines Respironics ventilation expertise with Philips focus on simplifying advanced health care. The result is noninvasive ventilation excellence with an invasive ventilation alternative and an interactive display that helps simplify patient management.

Key advantages:
• ICU-grade NIV performance with enhanced monitoring and alarms
• Treatment for a wide range of clinical severities and patients from pediatric to adult
• Flexibility for intra-hospital transport with an internal six-hour smart battery
The Philips Respironics V60 uses auto-adaptive technology to help ensure patient synchrony and therapy acceptance. Improved signal processing technology is finely tuned for both adult and pediatric patients.

**Highlights**

**Advanced NIV with Auto-Trak**
- Auto-adaptive leak compensation
- Auto-adaptive inspiratory triggering
- Auto-adaptive expiratory cycling

**Hospital modes and options**
- **AVAPS** maintains a target tidal volume in a pressure-limited mode. It provides extra reassurance similar to a volume-limited mode with the advantages of a pressure-limited mode.
- **PCV** can be used when full control of the patient’s breathing pattern is required.
- **CPAP with C-Flex option** offers three levels of flow-based expiratory pressure relief. This leads to enhanced sleep quality and patient comfort, adding greater flexibility and improved treatment acceptance.
- **Proportional Pressure Ventilation (PPV)** provides inspiratory flow and pressure in proportion to the patient’s spontaneous effort, thus improving patient control over their ventilation.
- **Auto-Trak Plus** is an option for a subset of patients who may benefit from a customized titration of triggering and cycling criteria.
**Patient types**

- Adult
- Pediatric (≥20kg)

**Modes**

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

**Settings**

- C-Flex: Off, 1 – 3
- CPAP: 4 – 25cmH₂O
- EPAP: 4 – 25cmH₂O
- IPAP: 4 – 40cmH₂O
- I-time (inspiratory time): 0.30 – 3.00sec
- Max P (AVAPS maximum IPAP): 6 – 40cmH₂O
- Min P (AVAPS minimum IPAP): 5 – 30cmH₂O
- O₂ (oxygen percent): 21 – 100%
- Ramp time: Off, 5 – 45min
- Rate (respiratory rate): 4 – 60BPM
- Rise (rise time): 1 – 5
- Triggering and cycling: Auto-adaptive (Auto-Trak)
- Auto-Trak Plus*: Optional
- Trigger*: Normal, +1 – 7
- E-Cycle*: -2, -1, Normal, +1 – +6
- AVAPS target tidal volume: 200 – 2,000ml

**Monitored parameters**

- Breath phase/trigger indicator: Spont, timed, exhale
- PIP: 0 – 50cmH₂O
- Patient/total leak: 0 – 200 l/min btps
- Patient trigger: 0 – 100%
- Respiratory rate: 0 – 90bpm
- Ti/Ttot: 0 – 91%
- Minute volume: 0 – 99.0 l/min btps
- Tidal volume: 0 – 3,500ml btps

**General**

- Oxygen inlet pressure range: 276 – 600kPa (40 – 87psig)
- Weight: 11.7kg (25.7lb) with optional battery, 10.6kg (23.3lb) without optional battery
- Dimensions: 33.7cm (13.3in) height, 39.4cm (15.5in) width, 42.9cm (16.5in) depth

**Electrical**

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

* May not be available in all markets

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**Description**

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**Communication ports (RS232, serial, remote alarm)**

**Navigation ring**

**Six-hour internal smart battery**

**Large color touchscreen**

**Rugged cart with multiple accessory attachment capabilities**

**Optional O₂ manifold (rear of cart)**

**Optional O₂ tank holders**

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1 Gay P., Hess D. and Hill N. Noninvasive proportional assist ventilation for acute respiratory insufficiency comparison with pressure support ventilation. Am J Respir Crit Care Med. 2001; 164:1606-1611