



PHILIPS

Hospital
respiratory care

V60 ventilator

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

Highlights

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.

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,¹ thus improving patient control over their ventilation.²
- **Auto-Trak Plus** is an option for a subset of patients who may benefit from a customized titration of triggering and cycling criteria.

Auto-adaptive triggering and cycling with Auto-Trak



Intra-hospital transport with internal six-hour battery





Patient types

Adult

Pediatric ($\geq 20\text{kg}$)

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 – 25cmH ₂ O
EPAP	4 – 25cmH ₂ O
IPAP	4 – 40cmH ₂ O
I-time (inspiratory time)	0.30 – 3.00sec
Max P (AVAPS maximum IPAP)	6 – 40cmH ₂ O
Min P (AVAPS minimum IPAP)	5 – 30cmH ₂ O
O ₂ (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

* May not be available in all markets

Pediatric NIV

Monitored parameters

Breath phase/trigger indicator	Spont, timed, exhale
PIP	0 – 50cmH ₂ O
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

Description	Legacy part number	12NC part number
Philips Respironics V60 ventilator with AVAPS, C-Flex (US)	1053617	989805611761
Philips Respironics V60 ventilator with AVAPS and C-Flex, International excluding China and Japan	1053614	989805612101
Philips Respironics V60 ventilator with AVAPS, C-Flex and PPV, International excluding China and Japan	1053613	989805628251
Philips Respironics V60 configuration kit	country specific	country specific



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

² Younes M. Proportional assist ventilation, a new approach to ventilatory support. American Review of Respiratory Disease. 1992; 145(1):114 -120