

Ventilator

# PHILIPS RESPIRIONICS V60 PLUS

## ABOUT

The Philips Respironics V60 Plus is a versatile ventilator that provides two-level positive air ventilation for both non-invasive and invasive spontaneous breathing. It offers two therapy options: Non-Invasive Ventilation (NIV) and High Flow Therapy (HFT). Equipped with AVAP for monitoring tidal volume, PCV for patients with reduced lung capacity, and CPAP for consistent airway pressure, the V60 Plus is suitable for both pediatric and adult patients. Its auto-tracking technology adjusts therapy automatically, while the touchscreen display makes monitoring easy. With a 6-hour battery life, it can also serve as an intra-hospital transport ventilator. Another model available is the Philips Respironics V60.



## FEATURES

High-resolution graphics facilitate waveform interpretation.

Internal 6-hour battery

Standby mode supports patient-clinician interaction without nuisance alarms.

Data communication capabilities support hospital connectivity.

Respi-Link, a remote communication tool

AVAPS maintains a target tidal volume in a pressure-limited mode.

CPAP with C-Flex offers three levels of flow-based expiratory pressure relief.

ICU-grade NIV performance with enhanced safety and monitoring.



# SPECIFICATIONS

## DIMENSIONS

Height: 13.3 in (33.7 cm)

Width: 15.5 in (39.4 cm)

Depth: 16.5 in (42.9 cm)

Weight: 10.9 kg (24 lbs) with Battery

Weight: 10 kg (22 lbs) without Battery

## PATIENT TYPES

Adult

Pediatric

## BATTERY

14.4V, 10.0 Ah, 163 Wh

Maximum system current draw: 11 A

Charge Voltage: 16.9 V Maximum

Operating Time: 360 minutes under normal conditions

## MODES

Continuous positive airway pressure (CPAP)

Spontaneous with timed backup (S/T)

Pressure control ventilation (PCV)

Average volume assured pressure support (AVAPS)  
—optional

## SETTINGS

C-Flex OFF, 1–3

CPAP 4–25 cmH<sub>2</sub>O

EPAP 4–25 cmH<sub>2</sub>O

IPAP 4–40 cmH<sub>2</sub>O

I-time (inspiratory time) 0.30–3.00 sec

Max P (AVAPS maximum IPAP) 6–40 cmH<sub>2</sub>O

Min P (AVAPS minimum IPAP) 5–30 cmH<sub>2</sub>O

O<sub>2</sub> (oxygen percent) 21–100%

Ramp time OFF, 5–45 min

Rate (respiratory rate) 4–60 BPM

Rise (rise time) 1–5

Triggering and cycling Auto-adaptive (Auto-Trak)

AVAPS target tidal volume 200–2000 ml

## MONITORED PARAMETERS

Breath Phase / Trigger Indicator Spont, Timed, Exhale  
PIP 0–50 cmH<sub>2</sub>O

Patient / Total Leak 0–200 l/min BTPS

Patient trigger 0–100%

Respiratory rate 0–90 BPM

Ti/Ttot 0–91%

Minute volume <sup>2</sup> O PLQ%736

Tidal volume 0–3000 ml BTPS

## GENERAL

Oxygen inlet pressure range 276–600 kPa (40–87 psig)

Weight 10.9 kg (24lb) with optional battery; 10.0 kg (22 lb) without optional battery

Dimensions 33.7 cm (13.3 in) height; 39.4cm (15.5 in) weight; 42.9 cm (16.5 in) depth

## ELECTRICAL

AC voltage 100–240 VAC

AC frequency 50–60 Hz

AC power 300 VA

Battery operating time 6 hours in normal conditions

# SPECIFICATIONS

## ENVIRONMENTAL SPECIFICATIONS (OPERATING)

Temperature: 41 to 104 °F (5 to 40 °C)  
Relative Humidity: 15 to 95% (noncondensing)  
Barometric Pressure: 600 to 765 mmHg  
(approximately -61 to 1951 m (-200 to 6400 ft)  
relative to sea level)

## ENVIRONMENTAL SPECIFICATIONS (STORAGE)

Temperature: -4 to 122 °F (-20 to 50 °C)  
Relative Humidity: 10 to 95% relative  
(noncondensing)  
Barometric Pressure: 600 to 765 mmHg  
(approximately -61 to 1951 m (-200 to 6400 ft)  
relative to sea level)

## INSPIRATORY OUTLET (TO PATIENT PORT)

Connector: ISO 15 mm female/22 mm male conical

## AIR SUPPLY

Integrated blower

## FLOWS AND PRESSURES

Flow Delivery: 150 L/min at 40 cmH<sub>2</sub>O at 1951 m  
(6400 ft) altitude (10% degradation in flow at 2286  
m (7500 ft))

Flow Range: -240 to 240 L/min BTPS

Pressure Range: 4 to 40 cmH<sub>2</sub>O

Dynamic pressure regulation: ± (2 cmH<sub>2</sub>O + 4% of  
target)

## HIGH-PRESSURE OXYGEN SUPPLY

Connector: DISS male, DISS female, NIST  
Pressure: 2.76 to 6.00 bar / 276 to 600 kPa / 40 to  
87 psig  
Flow: 175 SLPM  
Connector: SIS  
Pressure: 3.31 to 6.00 bar / 331 to 600 kPa / 48 to 87  
psig  
Flow: 175 SLPM

## HIGH-PRESSURE OXYGEN SUPPLY (USING V60 MANIFOLD)

Connector: DISS male, DISS female, NIST  
Pressure: 3.10 to 6.00 bar / 310 to 600 kPa / 45 to 87  
psig  
Flow: 175 SLPM  
Connector: SIS  
Pressure: 3.66 to 6.00 bar / 366 to 600 kPa / 53 to 87  
psig  
Flow: 175 SLPM