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The **Philips Respironics Trilogy 202** is a Ventilator that offers both invasive and non-invasive ventilation. The Trilogy ventilator ventilator can control volume and pressure in the ventilation, making it easier for the patient to breath. The Trilogy is a ventilator that has a microprocessor control built into the system. Unlike the 100 and 200 Version of the Trilogy, it has the air and Oxygen blended in the machine and runs at 50 psi, where the other version of the Philips Respironics Trilogy run off of low flow O2. The machine can be used in both home care, hospital care, and hospital transport settings. It comes with an internal battery that can last up to 3 hours and an additional backup battery that lasts up t 6 hours. The Philips Respironics Trilogy 202 can be used on a wide range of patients from Pediatrics to Adults.

The Respironics Trilogy provides continuous ventilation support for those individuals that are suffering from acute or chronic respiratory failure, and chronic repository distress. The system comes with an Auto-Track algorithm that can enhance the patients breathing by adjusting and changing the breathing patterns in the ventilator.

The Philips Respironics Trilogy ventilation system comes with an SD card slot on the side of the machine. it can record breath by breath patient data and the last 72 hours of waveforms This makes it easy and convenient to transfer the Data from the ventilator to a central data station in the hospital setting.

Features

- Compact design with long-life internal battery for intra-hospital transport.
- Supports active and passive circuits for invasive and noninvasive ventilation.
- Innovative leak compensated volume control ventilation.

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Specifications

Controls	CPAP : 4 - 20 cmH20 (passive leak port circuits) cm H2O
	IPAP: 50 cm H2O
	EPAP/PEEP (a): 0 - 25 cmH20 (active valve circuits) cm H2O
	EPAP/PEEP (b): 4 - 25 cmH20 (passive leak port circuits) cm H2O
	Pressure support: 0 – 30 cmH2O cm H2O
	Tidal volume: 50 - 2000 ml
	Breath rate(a): 0 - 60 BPM (AC mode) beats per minute
	Breath rate(b): 1 - 60 BPM (all other modes) beats per minute
	Inspiratory time: 0.3 - 5.0 s Synchrony features
	Rise time: 1 - 6 (relative scale)
	Ramp start pressure (a): 0 - 25 cmH20 (active circuits) cm H2O
	Ramp start pressure (b): 4 - 25 cmH20 (passive circuits) cm H2O
	Ramp start pressure (c): 4 - 19 cmH20 (CPAP mode) cm H2O
	Ramp time Off: 5 - 45 min
	C-Flex Off: 1 - 3 (relative scale)
	Flow trigger sensitivity: 1 - 9 l/min
	Flow cycle sensitivity: 10 - 90 %
Environmental	Operating temperature:5 – 40 °C
	Relative humidity: 15 - 95 %
	Storage temperature: -20 – 60 °C
	Atmospheric pressure: 60 - 110 kPa (450 - 825 mmHg)
Electrical	Input voltage: 100 - 240 VAC and 50/60 Hz and 2.1 A
	Detachable battery voltage: 14.4 VDC
	Internal battery life: 3 hours under normal conditions hr
	Detachable battery life: 3 hours under normal conditions hr
	external battery connection: 12 VDC
Volume Modes	MPV Mouthpiece Ventilation Mode: Yes
	Pressure control (PC): Yes
	Synchronized intermittent mandatory ventilation (SIMV): Yes
	SIMV with pressure support (SIMV w/PS): Yes
	Control ventilation (CV): Yes
Alarms	Low tidal volume Off: 50 - 2000 ml
	Circuit disconnect Off: 10 - 60 sec
	Apnea Off: 10 - 60 s and 4 - 60 BPM
	High tidal volume Off: 50 - 2000 ml
	High minute ventilation Off: 1 - 99 l/min Off, 1 - 99 l/min

Specifications

Alarms (continued)	Low minute ventilation Off: 1 - 99 l/min
	High respiratory rate Off: 4 - 80 beats per minute
	Low respiratory rate Off: 4 - 80 beats per minute
Pressure Modes	Pressure control (PC): Yes
	Pressure control-SIMV (PC-SIMV): Yes
	Spontaneous ventilation (S): Yes
	Spontaneous ventilation with timed back-up (S/T):Yes
	Timed ventilation (T): Yes
Options	Detachable back-up battery: Offering up to 3 hours additional operating time
	Hospital roll stand: Provides convenient accessory basket and humidifier mount
	DirectView: 1 GB SD card data storage integrated into the ventilator software
Monitored Parameters	Tidal volume: 0 - 2000 ml
	Minute ventilation: 0 - 99 l/min
	Estimated leak rate: 0 - 200 l/min
	Respiratory rate: 0 - 80 beats per minute
	Peak inspiratory flow: 0 - 200 l/min
	Peak inspiratory pressure: 0 - 99 cm H2O
	Mean airway pressure: 0 - 99 cm H2O
	% patient triggered breaths: 0 - 100 %
	I:E ratio: 9.9:1 - 1:9.9
Synchrony Features	Auto-Trak sensitivity: Auto-Trak sensitivity Auto-adaptive triggering, cycling, and leak compensation (available in all modes, passive circuit only)
	Adjustable flow triggering: 1 – 9 l/min (available in all modes and circuit types) l/min
Circuit Types	Active exhalation valve with proximal airway pressure (PAP): Yes
	Active exhalation valve with flow sensor: Yes
	Passive exhalation port: Yes

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