



Simplicity and versatility

Philips Respironics Trilogy 202 portable ventilator specifications

The Trilogy 202 is both a volume-control and pressure-control ventilator for invasive and noninvasive ventilation. The versatile breath delivery and setup options free you from burdensome equipment exchanges, providing greater continuity of care for your patients. Because the Trilogy 202 has the unique ability to compensate for leaks in both pressure and volume control modes, using simpler passive circuits may support significant time and cost savings. With one simple setting change, the Trilogy 202 supports either active or passive exhalation breathing circuits to accommodate changes in circuit preference.

Key advantages

- 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.

PHILIPS

1 Patient types

Pediatric (≥ 5 kg)
Adult

2 Modes

Volume

Assist control (AC)
Synchronized intermittent mandatory ventilation (SIMV)
SIMV with pressure support (SIMV w/PS)
Control ventilation (CV)

Pressure

Pressure control (PC)
Pressure control-SIMV (PC-SIMV)
Spontaneous ventilation (S)
Spontaneous ventilation with timed back-up (S/T)
Timed ventilation (T)
Continuous positive airway pressure (CPAP)
Average volume assured pressure support (AVAPS)
with passive circuit type, S, S/T, PC, and T modes only

3 Synchrony features

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)

4 Circuit types

Active exhalation valve with proximal
airway pressure (PAP)
Active exhalation valve with flow sensor
Passive exhalation port

5 Controls

IPAP	4 – 50 cmH ₂ O
EPAP/PEEP	0 – 25 cmH ₂ O (active valve circuits) 4 – 25 cmH ₂ O (passive leak port circuits)
CPAP	4 – 20 cmH ₂ O (passive leak port circuits)
Pressure support	0 – 30 cmH ₂ O
Tidal volume	50 – 2000 ml
Breath rate	0 – 60 BPM (AC mode) 1 – 60 BPM (all other modes)
Inspiratory time	0.3 – 5.0 s
Rise time	1 – 6 (relative scale)
Ramp start pressure	0 – 25 cmH ₂ O (active circuits) 4 – 25 cmH ₂ O (passive circuits) 4 – 19 cmH ₂ O (CPAP mode)
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%

6 Monitored parameters

Tidal volume	0 – 2000 ml
Minute ventilation	0 – 99 l/min
Estimated leak rate	0 – 200 l/min
Respiratory rate	0 – 80 BPM
Peak inspiratory flow	0 – 200 l/min
Peak inspiratory pressure	0 – 99 cmH ₂ O
Mean airway pressure	0 – 99 cmH ₂ O
% patient triggered breaths	0 – 100%
I:E ratio	9.9:1 – 1:9.9

7 Alarms

Circuit disconnect	Off, 10 – 60 s
Apnea	Off, 10 – 60 s and 4 – 60 BPM
High tidal volume	Off, 50 – 2000 ml
Low tidal volume	Off, 50 – 2000 ml
High minute ventilation	Off, 1 – 99 l/min
Low minute ventilation	Off, 1 – 99 l/min
High respiratory rate	Off, 4 – 80 BPM
Low respiratory rate	Off, 4 – 80 BPM

8 Oxygen

FiO ₂	21 – 100%
O ₂ flush	2 min at 100%
O ₂ input pressure range	276 – 600 kPa (40 – 87 psi)

9 Environmental

Operating temperature	5 – 40°C
Storage temperature	-20 – 60°C
Relative humidity	15 – 95%
Atmospheric pressure	60 – 110 kPa (450 – 825 mmHg)

10 Electrical

Input voltage	100 – 240 VAC, 50/60 Hz, 2.1 A
Detachable battery voltage	14.4 VDC
Internal battery life	3 h under normal conditions
Detachable battery life	3 h under normal conditions
External battery connection	12 VDC

11 Physical

Size (L x W x H)	21.13 x 28.45 x 23.52 cm
Weight (with internal battery)	5.6 kg (12.4 lb)

12 Compliance

IEC 60601-1	Medical electrical equipment Part 1: General requirements for safety
IEC 60601-1-2	General requirements for safety – collateral standard Electromagnetic compatibility – requirements and tests
IEC 60601-2-12	Medical electrical equipment Part 2-12: Particular requirements for the safety of lung ventilators – Critical Care ventilators

Options

1.1 Detachable backup battery

Offering up to 3 hours additional operating time.

1.2 Hospital roll stand

Provides convenient accessory basket and humidifier mount.

1.3 DirectView

1 GB SD card data storage integrated into the ventilator software.

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