



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.

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.



Specifications

Controls

CPAP : 4 - 20 cmH2O (passive leak port circuits) cm H2O
 IPAP: 50 cm H2O
 EPAP/PEEP (a): 0 - 25 cmH2O (active valve circuits) cm H2O
 EPAP/PEEP (b): 4 - 25 cmH2O (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 cmH2O (active circuits) cm H2O
 Ramp start pressure (b): 4 - 25 cmH2O (passive circuits) cm H2O
 Ramp start pressure (c): 4 - 19 cmH2O (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

