



# Meet the changing needs of your patients.

## Trilogy 100, advanced ventilator technology

### **Simple ventilation. Sophisticated technology.**

Respironics, the originator of bi-level technology, has developed Trilogy 100, a remarkably versatile ventilator that meets the needs of adult and pediatric patients alike. Leveraging well-known Respironics technology, Trilogy 100 provides clinicians with an array of treatment options by delivering Volume Control Ventilation or Pressure Control Ventilation through either noninvasive or invasive methods with advanced leakage compensation. This built-in flexibility makes Trilogy 100 ideal in treating a wide range of respiratory conditions or those respiratory conditions that require frequent changes to the patient's prescription.

**PHILIPS**

**RESPIRONICS**

Trilogy 100's versatility allows you to deliver portable or in-home patient therapy using an AC power source, an external battery, a detachable battery or the device's internal battery. The detachable battery provides up to three hours of portable therapy while the internal battery delivers three additional hours of cordless operation.

Another of Trilogy 100's powerful features is DirectView – a highly sophisticated reporting software system. DirectView allows logging and recording of events and treatment actions and is easy to use for both physicians and caretakers.

#### Features:

- For adults and children (> 5 kg)
- Volume and pressure modes
- Invasive and non invasive capabilities
- Lightweight design (11 lbs, 5 kgs)
- Internal and detachable batteries
- Easy-to-use interface
- DirectView reporting software-ready
- Dual prescription settings
- AVAPS (Average Volume Assured Pressure Support) technology
- Digital Auto-Trak
- Removable air path



#### Ordering information

Description	Item no.
Trilogy 100 Ventilator; International	1054096
Trilogy 100 Ventilator; Germany	1054097
Trilogy 100 Ventilator; Japan	1054655
Trilogy 100 Ventilator; Australia	AU1054096
Trilogy 100 Ventilator; Latin America	LA1054096
Trilogy 100 Ventilator; Canada	CA1054096
Trilogy 100 Ventilator; USA	1054260

#### Specifications

<b>Environmental</b>	
Temperature	5°C – 40°C
Relative humidity	15% – 95%
Atmospheric pressure	110 kPa to 60 kPa
<b>Physical</b>	
Weight	11 lbs, 5 kgs
Size	4.5 x 6.88 x 9.5", 16.69 x 38.45 x 22.52 cm
<b>Controls</b>	
Circuit types	Active with PAP, passive
Ventilation types	Volume control, pressure Control, bilevel
Volume modes	AC, SIMV (w/PS), CV
Pressure modes	CPAP, S, S/T, T, PC-SIMV (w/PS)
IPAP	4 – 50 cm H <sub>2</sub> O
EPAP	0 – 25 cm H <sub>2</sub> O for active circuits 4 – 25 cm H <sub>2</sub> O for passive circuits
CPAP	4 – 20 cm H <sub>2</sub> O for passive circuits
PEEP	0 – 25 cm H <sub>2</sub> O for active circuits 4 – 25 cm H <sub>2</sub> O for passive circuits
Pressure support differential	0 – 30 cm H <sub>2</sub> O
Tidal volume	50 – 2000 ml
Breath rate	0 – 60 for AC mode 1 – 60 for all other modes
Inspiratory time	0.3 – 5.0 secs
Rise time	1 – 6
Ramp start pressure	0 – 25 cm H <sub>2</sub> O for active circuits 4 – 25 cm H <sub>2</sub> O for passive circuits 4 – 19 cm H <sub>2</sub> O in CPAP mode
Ramp length	Off, 5 – 45 minutes
Flex	Off, 1 – 3
Flow trigger sensitivity	1 – 9 l/min
Flow cycle	10% – 40%
Apnea rate	4 – 60 BPM
<b>Measured patient parameters</b>	
Tidal volume	0 – 2000 ml
Minute ventilation	0 – 99 l/min
Leak rate	0 – 200 l/min
Respiratory rate	0 – 80 BPM
Peak inspiratory flow	0 – 200 l/min
Peak inspiratory pressure	0 – 99 cm H <sub>2</sub> O
Mean airway pressure	0 – 99 cm H <sub>2</sub> O
% Patient triggered breaths	0 – 100%
I:E ratio	9.9:1 to 1:9.9
<b>Alarms</b>	
Circuit disconnect	Off, 10 – 60 secs
Apnea	Off, 10 – 60 secs
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

Refer to the Trilogy 100 clinical manual for complete product information.

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CAUTION: US federal law restricts these devices to sale by or on the order of a physician.

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