For every breath he takes

Trilogy200 ventilator's added sensitivity lets you breathe easier knowing your patients are where they belong – home.

PHILIPS
RESPIRONICS

sense **and** simplicity

Sensitive to your patients' needs

Trilogy200, a portable life-support ventilator, designed for use in the home and alternative care sites, provides noninvasive and invasive ventilatory support with added sensitivity for a wide range of adult and pediatric patients (≥ 5 kg).

Trilogy200's advanced flow triggering is ideal for patients who require enhanced inspiratory triggering and leak compensation.

Using a new single-limb circuit and proximal flow sensor, Trilogy200 offers improved triggering and leak compensation that allows for the more sensitive delivery of therapy. This added sensitivity decreases work of breathing, resulting in greater therapy comfort, better ventilation, and improved patient/ventilator synchrony.[1/2]

These sophisticated and versatile features deliver effective and comfortable ventilatory support that helps clinicians transition patients from the hospital to home easier.

Trilogy200's new universal porting block gives you the flexibility to choose from three different circuit configurations and provide the best available option for the patient.

1. Passive circuit - uses a single-limb circuit with an exhalation port
2. Active with PAP circuit - uses a single-limb circuit with an active exhalation valve with proximal pressure
3. Active with flow - uses a single-limb circuit with an active exhalation valve and proximal flow sensor

[1]Chatburn, R. Performance Evaluation of Home Care Ventilators. White paper, document #39858, June 09.
[2]Trilogy100 User Preference Clinical Report, ER 2204764, Oct. 2008. On file with Philips Respironics.

Inspiratory trigger options

Not all patients are the same. That's why Trilogy200 offers three triggering options—Digital Auto-Trak, flow triggering, and proximal flow triggering—giving clinicians the flexibility to choose the most appropriate ventilator settings for patients.

For example, patients with neuromuscular diseases may require breath triggering that automatically adapts to the progression of their disease over time. Or, pediatric patients with small lung volumes, may require greater triggering sensitivity.

Trilogy200 provides clinicians with the triggering options necessary to achieve optimal synchrony.

Circuit type

	Passive	Active with PAP	Active with flow
Leak compensation	✓	✓	✓
Triggering	Digital Auto-Trak[1] and flow[2]	Flow[2]	Proximal flow[3]
Exhaled tidal volume measurement	Estimation	–	Measurement

Chatburn, R. Performance Evaluation of Home Care Ventilators. White paper, document #39858, June 09.

[1] Digital AutoTrak - trigger and cycle thresholds are automatically adjusted to maintain optimum sensitivity, eliminating the need for adjustments.
[2] Flow Triggering - flow is calculated by a sophisticated algorithm and inspiration is initiated when the patient's inspiratory effort exceeds the flow sensitivity setting.
[3] Proximal Flow Triggering - flow is measured using an in-line flow sensor and inspiration is initiated when the patient's inspiratory effort exceeds the flow sensitivity setting.

Breathe easier with advanced monitoring

There are times when patients require changes in therapy. That's why Trilogy200 has **DirectView** reporting software, which streamlines reporting to help you identify adjustments necessary to maintain effective treatment and improve patient care.

DirectView advantages

• Breath-by-breath waveforms
• Short-term and long-term trends
• Statistics and patterns of usage
• Fully customizable and easily exportable reports
• Prescription management

DirectView allows prescription management through the use of a commonly available SD memory card.

A moving achievement

As a clinician, you want to make it possible for your patients to go to school, attend a ballgame, or just visit at grandma's house. Weighing only 11 pounds and featuring

a unique battery system of internal and easy-to-swap detachable batteries, Trilogy200 gives patients and their families a new level of freedom and mobility.

Simpler to use

Clinicians and caregivers have enough to worry about without having to deal with complicated ventilator controls, which is why Trilogy200 features:

- User-friendly screens with clear and concise directions
- A dual prescription feature, allowing you to set one prescription for daytime and a second for when your patient is sleeping
- A detailed readings display option for you or simplified screens for the patient and caregiver

The Trilogy ventilator family

Trilogy200 is the newest member of the Trilogy family of ventilators. Its predecessor, Trilogy100, was the first homecare ventilator to eliminate the need for a standard exhalation valve making the circuit lightweight and reducing the number of connections.* Trilogy202 features an integrated blender that provides oxygen administration from 21 to 100 percent.

*Jasko J, Witt C. A Comparison of Volume Control Ventilation Delivered By the Trilogy Ventilator with a Passive Exhalation Device versus Conventional Mechanical Ventilators with an Active Exhalation Device. Philips Respironics white paper, May 2009.

Trilogy200 specifications

Trilogy200 is intended for pediatric through adult patients weighing at least 5 kg (11 lb).

Environmental	
Temperature	5°C – 40°C
Relative humidity	15% – 95%
Atmospheric pressure	110 kPa – 60 kPa
Physical	
Weight	11 lb (5 kgs)
Size	6.6 x 11.2 x 9.3" (16.68 x 28.45 x 23.52cm)
Controls	
Circuit types	Active with PAP, passive, active with flow
Ventilation types	Volume control, pressure control, bi-level
Volume modes	AC, SIMV (w/PS), CV
Pressure modes	CPAP, S, S/T, T, PC-SIMV (w/PS)
IPAP	4 – 50 cm H_2O
EPAP	0 – 25 cm H_2O for active circuits 4 – 25 cm H_2O for passive circuits
CPAP	4 – 20 cm H_2O for passive circuits
PEEP	0 – 25 cm H_2O for active circuits 4 – 25 cm H_2O for passive circuits
Pressure support differential	0 – 30 cm H_2O
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 (The range of values correspond to tenths of seconds. For example, a setting of 4 indicates a rise time of 0.4 seconds.)
Ramp start pressure	0 – 25 cm H_2O for active circuits 4 – 25 cm H_2O for passive circuits 4 – 19 cm H_2O in CPAP mode
Ramp length	Off, 5 – 45 minutes
Flex	Off, 1 – 3
Flow trigger sensitivity	1 – 9 l/min
Flow cycle	10% – 90%
Apnea rate	4 – 60 BPM

Flow and volume measurements are taken under BTPS conditions.

Trilogy200 specifications (cont.)

Measured patient parameters	
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_2O
Mean airway pressure	0 – 99 cm H_2O
Percent patient triggered breaths	0 – 100%
I:E ratio	9.9-1:1-9.9
Alarms	
Circuit disconnect	Off, 5 – 60 secs
Apnea	Off, 10 – 60 secs
High tidal volume	Off, 50 – 2000 ml
Low tidal volume	Off, 40 – 2000 ml
High minute ventilation	Off, 0.1 – 99 l/min
Low minute ventilation	Off, 0.1 – 99 l/min
High respiratory rate	Off, 4 – 80 BPM
Low respiratory rate	Off, 4 – 80 BPM

Ordering information

1040005	Trilogy200 ventilator, USA
CA 1032800	Trilogy200 ventilator, Canada
1054260	Trilogy100 ventilator, USA
CA 1054096	Trilogy100 ventilator, Canada
1040420	Trilogy carrying bag, in use
1050408	Trilogy200, proximal flow sensor
1047410	Trilogy roller stand
1043570	Trilogy detachable battery
1029330	Trilogy air filter (2 pack)
1005297	DirectView software package (includes DirectView CD, SD card and SD card mailer)
1055635	DirectView software package (online download only)
1041151	DirectView SD card mailer (10 pack)

Trilogy carrying
bag, in use
1040420

Trilogy
roller stand
1047410

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