



Expanding versatility

The upgraded Trilogy family of ventilators continues to meet the changing needs of your patients

PHILIPS
RESPIRONICS

Simple ventilation, sophisticated technology

Attractive, compact
design weighing less
than 5kg

Large,
color screen

Exceptional
monitoring for
immediate feedback
on therapy

Comprehensive
alarms with audible
and visual feedback

AVAPS hybrid ventilation automatically
adjusts pressure to compensate for
changing workloads of patient ventilation
and an average tidal volume

Digital Auto-TRAK and
Advanced leak compensation
algorithms optimize patient-
ventilator synchronization
and ventilation efficacy





Trilogy Series is a family of remarkably versatile life support ventilators that simplifies the management of respiratory related diseases by combining unique levels of flexibility with ease of use and advanced technology.

Meet the changing needs of your patients

Trilogy's ability to deliver both volume and pressure control ventilation with advanced leak compensation meets the needs of adult and pediatric patients (> 5kg) alike. Versatility is truly demonstrated with Trilogy's support of active and passive breathing circuits for invasive and non-invasive ventilation.

Whether used in a hospital or home environment, Trilogy has a customizable and intuitive interface that combines ease of use with access to high levels of performance.

An internal battery plus detachable battery combine to provide up to 6 – 8 hours of freedom from mains power, making Trilogy a truly portable solution. Patients benefit from increased autonomy of care with the ability to hot swap the detachable batteries.



DirectView

Trilogy is fitted with a SD card that stores all ventilation data. DirectView software monitors this data and offers a complete set of customizable reports, allowing clinicians to identify when any adjustments are necessary to maintain an effective treatment.

- 72 hours of raw data for breath-by-breath waveform monitoring
- 30 days of therapy information available in Daily Details
- 12 month trend overviews of pressure, breath rate, percentage of triggered breaths, peak inspiratory patient flow, estimated exhaled tidal volume, leak, Ti/T_{tot} and minute ventilation, plus AHI and SpO_2 when the optional oximetry module is connected



Enhanced functionality

The Trilogy Series of mixed mode ventilators introduced exceptional advancements in form, function and performance.

As a direct result of our Allies in Better Sleep and Breathing program, we've incorporated powerful new updates to provide even more functionality based on data gathered through our clinician and healthcare networks worldwide.

Expanded ventilatory support with Mouthpiece Ventilation

Patients can now experience greater freedom from the constraints of ventilatory support with the introduction of a dedicated mouthpiece ventilation (MPV) mode, available on both volume and pressure control ventilation options.

Our unique 'kiss' trigger with signal flow technology detects when a patient engages and disengages from the mouthpiece to deliver on-demand ventilation.

With no inspiratory effort required to trigger a breath, Trilogy is a viable option for a wide range of respiratory related disease patients – improving autonomy of care and enhancing quality of life.

Mouthpiece ventilation can postpone the need for a tracheostomy¹ by utilizing Trilogy Series' dual prescription functionality, which gives the option of daytime mouthpiece ventilation and nocturnal non-invasive ventilation.

MPV accessories

We offer a true alternative to intimidating and complicated homemade circuits and mounts with a purpose-built support arm system that can be attached to both rounded and flat surfaces.

A mouthpiece ventilation disposable patient breathing circuit containing a choice of mouthpieces is also available for convenience, comfort and accessibility.

¹ Bach et al. Chest. 1993; 103:174-82 Intermittent Positive Pressure Ventilation via the Mouth as an Alternative to Tracheostomy for 257 Ventilator Users

Unique 'kiss' trigger with
signal flow technology

Purpose-built
support arm
system

Disposable
patient breathing
circuits available



Expanded clinical control

On-screen waveforms allow clinicians to review a patient's treatment efficacy at a glance. By quickly identifying any changes to the respiratory rate, leaks and triggering, clinicians can adjust device settings to provide optimal patient-ventilator synchronization.

Expanded volume targeting

AVAPS estimates the patient's tidal volume over several breaths and calculates the change in pressure support needed to achieve the target tidal volume. AVAPS reaches the required pressure support by automatically increasing or decreasing the IPAP accordingly.

Leveraging on this clinically proven and patented technology, we've introduced adjustable AVAPS, which allows you to control the speed at which pressure support will change, and AVAPS-AE, which automatically adjusts the EPAP and backup rate. These technologies monitor and follow the changing needs of the patient.



Additional improvements inspired by you

Sensitive Digital Auto-TRAK

Enhanced trigger sensitivity for pediatric patients and those with minimal respiratory capacity

Nebulizer feature

Removal of nuisance alarms for easier inline nebulizer treatments

Pressure support

Increased limit to 40cmH₂O for greater prescription flexibility

Circuit type

Identify the circuit type on screen at a glance to assist with troubleshooting

Battery count

Quickly review the number of battery charges/discharges to aid replacement scheduling

AVAPS-AE

In AVAPS-AE mode, the device monitors the patient's upper airway resistance and automatically adjusts the delivered EPAP required to maintain an airway.

Simultaneously, Trilogy Series automatically adjusts pressure support to maintain a target tidal volume and when the breath rate is set to Auto, the device will adjust the back-up breath rate based on the patient's spontaneous respiratory rate.

Specification

Controls	
Circuit types	Passive, active PAP, active flow*
Volume modes	AC, SIMV (w/PS), CV, MPV
Pressure modes	CPAP, S, S/T, T, PC, PC-SIMV (w/PS), MPV
Hybrid ventilation	AVAPS, AVAPS-AE
IPAP	4 – 50 cm H ₂ O
EPAP	0 – 25 cm H ₂ O for active circuits, 4 – 25 cm H ₂ O for passive circuits
CPAP	4 – 20 cm H ₂ O for passive circuits
PEEP	0 – 25 cm H ₂ O for active circuits, 4 – 25 cm H ₂ O for passive circuits
Pressure support	0 – 40 cm H ₂ 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 (100 – 600 ms)
Ramp start pressure	0 – 25 cm H ₂ O for active circuits, 4 – 25 cm H ₂ O for passive circuits, 4 – 19 cm H ₂ O in CPAP mode
Ramp length	Off, 5 – 45 minutes
Flex	Off, 1 – 3
Trigger type	Auto-TRAK, Sensitive Auto-TRAK, Flow trigger
Flow trigger sensitivity	1 – 9 l/min
Flow cycle	10% – 90%
Apnoea rate	4 – 60 BPM

AVAPS-AE

Maximum pressure	6 – 50 cmH ₂ O
Pressure support	2 – 40 cmH ₂ O
EPAP	4 – 25 cmH ₂ O
Breath rate	0 – 60 BPM, Auto

* Trilogy200 only

Monitoring	
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 ₂ O
Mean airway pressure	0 – 99 cm H ₂ O
% patient triggered breaths	0 – 100%
I:E ratio	9.9:1 to 1:9.9

Alarms

Circuit disconnect / Apnea	Off, 10 – 60 secs
Circuit disconnect (MPV)	Off, 1 – 15 mins
High / Low tidal volume	Off, 50 – 2000 ml
High / Low minute ventilation	Off, 1 – 99 l/min
High / Low respiratory rate	Off, 4 – 80 BPM
High / Low inspiratory pressure	1 – 80 cmH ₂ O

Environmental

Temperature	5°C – 40°C
Relative humidity	15% – 95%
Atmospheric pressure	110 kPa to 60 kPa

Physical

Weight	11 lbs, 5 kgs
Size	16.7 x 28.5 x 23.5 cm
Noise level	35 dBA at 10 cmH ₂ O

Refer to the Trilogy100 and Trilogy200 clinical manuals for complete product information.

Ordering information

Description	Part number
Trilogy100 ventilator, International	1054096
Trilogy100 ventilator, Germany	1054097
Trilogy200 ventilator, International	1032800
Trilogy200 ventilator, Germany	1032802
MPV support arm system	1102862
MPV disposable circuit (box/10)	1102866

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