

PHILIPS

RESPIRONICS

Ventilation solutions



Ventilation solutions

Precision with every breath

Trilogy Evo OBM

Portable ventilator with Oxygen Blender Module

Transition to the future of respiratory care with Trilogy Evo – ventilator with proven performance in both invasive and noninvasive ventilation.

Trilogy Evo with Oxygen Blender Module (OBM) contains a valve that regulates the flow of oxygen into the unit for adjusting FiO_2



*Trilogy EVO OBM with optional accessories

Specifications

Ventilation modes

A/C-PC: Assist control (pressure control)

A/C-VC: Assist control (volume control)

CPAP: Continuous positive airway pressure

PSV: Pressure support ventilation

S/T: Spontaneous/timed ventilation

SIMV-PC: Synchronized intermittent mandatory ventilation (pressure control)

SIMV-VC: Synchronized intermittent mandatory ventilation (volume control)

AVAPS-AE: Hybrid mode of ventilation with automatic expiratory pressure

MPV-PC: Mouthpiece ventilation (pressure control)

MPV-VC: Mouthpiece ventilation (volume control)

Oxygen

Low flow 0 to 30 l/min; maximum 10 psi

High pressure 280 to 600 kPa (41 to 87 psi)

Batteries

Internal and detachable Li-ion batteries 15 hours' nominal total run time per method in IEC 80601-2-72 (7.5 hours each battery)

Ordering information

Description	Part number
Trilogy Evo Ventilator with OBM	EU2100X15B
Trilogy Evo EE with OBM, Czech Republic, Slovakia, Romania	EE2100X15B

Measured and displayed patient parameters

Tidal volume (V_{ti} or V_{te}), Minute ventilation (MinVent), Leak, Respiratory rate (RR), Peak inspiratory flow (PIF), Peak inspiratory pressure (PIP), Mean airway pressure, Percentage spontaneous, triggered breaths (%Spont Trig), I:E ratio, Dynamic compliance (Dyn C), Dynamic resistance (Dyn R), Dynamic plateau pressure (Dyn Pplat), Auto-PEEP, FiO_2 with FiO_2 sensor**, SpO_2 with pulse oximeter accessory**, EtCO₂ with CO₂ accessory**

Controls

AVAPS with passive circuit	PSV, S/T, and A/C-PC modes only
Tidal volume	35 – 2000 ml on Dual Limb and Active Flow circuits 50 – 2000 ml on passive and active PAP circuits
Breath rate	0 – 80 BPM
PEEP	0 – 35 cmH ₂ O for active circuits 3 – 25 cmH ₂ O for passive circuits
EPAP/CPAP	3 – 25 cmH ₂ O
IPAP	3 – 60 cmH ₂ O
Pressure support/ pressure control	0 – 60 cmH ₂ O
Inspiratory time	0.3 – 5.0s
Rise time	0 – 6
Triggering and cycling	Off, AutoTrak, Sensitive AutoTrak, and Flow Trigger
Flow trigger sensitivity	0.5 – 9 l/min
Flow cycle sensitivity	10% – 90% of peak flow
Flow pattern	Square, Ramp
FiO_2	21% – 100%
Inspiratory time min/max	0.3 – 3.0 sec
Backup ventilation	ON – OFF

Trilogy Evo

Portable hospital-to-home ventilator

The next generation of the Philips Trilogy portable life support ventilator is designed to stay with your patients wherever they go. Benefits include low total cost of ownership as well as faster and less frequent service.

Trilogy Evo delivers proven performance in noninvasive (NIV) and invasive (IV) ventilation, and is designed to stay with your 2.5 kg or above patients across changing care environments.



Specifications

Ventilation modes

A/C-PC: Assist control (pressure control)
A/C-VC: Assist control (volume control)
CPAP: Continuous positive airway pressure
PSV: Pressure support ventilation
S/T: Spontaneous/timed ventilation
SIMV-PC: Synchronized intermittent mandatory ventilation (pressure control)
SIMV-VC: Synchronized intermittent mandatory ventilation (volume control)
AVAPS-AE: Hybrid mode of ventilation with automatic expiratory pressure
MPV-PC: Mouthpiece ventilation (pressure control)
MPV-VC: Mouthpiece ventilation (volume control)

Oxygen

Low flow	0 to 30 l/min; maximum 10 psi
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Batteries

Internal and detachable Li-ion batteries	15 hours' nominal total run time per method in IEC 80601-2-72 (7.5 hours each battery)
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Ordering information

Description	Part number
Trilogy Evo Ventilator non OBM, EU	EU2110X15B
Trilogy Evo EE non OBM, Czech Republic, Slovakia, Romania	EE2110X15B

Measured and displayed patient parameters

Tidal volume (V_{ti} or V_{te}), Minute ventilation (MinVent), Leak, Respiratory rate (RR), Peak inspiratory flow (PIF), Peak inspiratory pressure (PIP), Mean airway pressure, Percentage spontaneous, triggered breaths (%Spont Trig), I:E ratio, Dynamic compliance (Dyn C), Dynamic resistance (Dyn R), Dynamic plateau pressure (Dyn Pplat), Auto-PEEP, FiO₂ with FiO₂ sensor*, SpO₂ with pulse oximeter accessory*, EtCO₂ with CO₂ accessory*

Controls

AVAPS with passive circuit	PSV, S/T, and A/C-PC modes only
Tidal volume	35 - 2000 ml on Dual Limb and Active Flow circuits, 50 - 2000 ml on passive and active PAP circuits
Breath rate	0 - 80 BPM
PEEP	0 - 35 cmH ₂ O for active circuits 3 - 25 cmH ₂ O for passive circuits
EPAP/CPAP	3 - 25 cmH ₂ O
IPAP	3 - 60 cmH ₂ O
Pressure support/pressure control	0 - 60 cmH ₂ O
Inspiratory time	0.3 - 5.0s
Rise time	0 - 6
Triggering and cycling	Off, AutoTrak, Sensitive AutoTrak, and Flow Trigger
Flow trigger sensitivity	0.5 - 9 l/min
Flow cycle sensitivity	10% - 90% of peak flow
Flow pattern	Square, Ramp
Inspiratory time min/max	0.3 - 3.0 sec
Backup ventilation	ON - OFF

Selection of accessories for Trilogy Evo & Trilogy Evo OBM

Bacterial/Viral filters

Part number	Description	Box quantity
1135776	Bacterial/viral filter	10/pack
342077	Bacterial/viral filter	10/pack

Device filters

Part number	Description	Box quantity
1134591	Air inlet foam filter	10/pack
1134430	Particulate filter	10/pack

Exhalation ports

Part number	Description	Box quantity
1139909	Disposable swivel exhalation port (included with circuit 1132340 and 1132339)	10/pack
1065775	Disposable filtered exhalation port (FEP) with cap (included with circuit 1065830)	10/pack
1132110	Dual Limb AEV (for dual limb circuit only)	1/pack
332113	Whisper Swivel II	1/pack

Trach Adapters

Part number	Description	Box quantity
1073902	Flexible trach adapter with 22mm connection	10/pack
1073863	Flexible trach adapter with 15 mm connection	10/pack

Tubing

Part number	Description	Box quantity
1132340	22 mm passive circuit w/ swivel exhalation, non-heated, smooth bore	10/pack
1065830	22 mm passive circuit FEP with main flow and exhalation filter (remove prox. pressure line and cap it prior to use)	10/pack
1132344	22 mm active circuit w/ disposable AEV, non-heated, smooth core	10/pack
1127306	22 mm dual limb circuit, non-heated (1132110 Dual Limb AEV not included)	10/pack
1132339	15 mm passive circuit w/ swivel exhalation, non-heated, smooth bore	10/pack
1132343	15 mm active circuit w/ disposable AEV, non-heated, smooth bore	10/pack
1127307	15 mm dual limb circuit, non-heated (1132110 Dual Limb AEV not included)	10/pack

Flow sensors (for Active and Flow and Dual Limb)

Part number	Description	Box quantity
1132106	Flow sensor accessory with cable (adult/ped), re-usable	1/pack
1134592	Electronic flow sensor cable	1/pack
1134711	Electronic flow sensor accessory, adult/ped	1/pack
1134712	Electronic flow sensor accessory, ped/infant	1/pack



Bacterial/viral filters
(1135776)



Bacterial/viral filters
(342077)



Disposable swivel
passive exhalation port
(1139909)



Air inlet foam filter
(1134591)



Dual Limb AEV
(1132110)



Whisper swivel II
(332113)



Particulate filter
(1134430)



Passive circuits
(15mm 1132339)
(22mm 1132340)



Active circuits
(15mm 1132343)
(22mm 1132344)



Electric flow sensor,
adult and infant
(1134711) (1134712)



Disposable filtered
exhalation port (FEP)
with cap (1065775)



22 mm passive circuit
FEP with main flow and
exhalation filter (1065830)



Electronic flow sensor
cable (1134592)



Flexible trach adapter with 15 mm connection (1073863)
Connects to exhalation ports used with the active PAP,
Active Flow and Dual Limb circuits.



Dual limb circuits
(15mm 1127307) (22mm 1127306)



Electric flow sensor accessory
with cable, adult/ped (1132106)



Flexible trach adapter with 22 mm connection (1073902)
Connects to exhalation ports used with the passive circuit.

BIPAP A40

Bi-level ventilator

Inspired by you and your patients, the bi-level ventilator BiPAP A40 has been designed to combine ease-of-use and comfort with technological innovations that adapt to your patient's condition to deliver enhanced therapy. It can be use for both noninvasive and invasive ventilation. The AVAPS-AE fully automatic ventilation mode, supports long term therapy compliance.



Specifications

Controls

IPAP	4 – 40 cmH2O
EPAP	4 – 25 cmH2O
Target tidal volume (AVAPS and AVAPS-AE)	200 – 1500 ml H2O
Breath rate	0 – 40 bpm (4 – 40 bpm in T mode)
Inspiratory time	0.5 – 3 sec
Rise time	1 (100 ms) – 6 (600 ms)
Humidification*	• System One humidity control and 'Dry Box' technology • Heated tube humidification
Triggering and cycling	• Auto-Trak • Sensitive Auto-Trak • Flow triggering

Monitoring

Pressure, Tidal volume, Minute ventilation, Respiratory rate, Leak, I/E ratio

Ventilation modes

CPAP	Continuous positive airway pressure
S	Spontaneous
S/T	Spontaneous/timed ventilation
T	Timed
PC	Pressure control
AVAPS-AE: Hybrid mode of ventilation with automatic expiratory pressure	

Battery

Detachable battery module: 9h 45 min at IPAP 12 cmH2O/EPAP 7 cmH2O and 12 bpm (restrictive profile)

Selection of accessories for BiPAP A40

Circuits

Part number	Description	Box quantity
1032907	Performance tubing 22 mm	1/pack
1074400	Performance tubing 15 mm	1/pack
1132340	22 mm passive circuit w/ swivel exhalation, non-heated, smooth bore	10/pack

Inline filter and exhalation port

Part number	Description	Box quantity
342077	Bacterial/viral filter	10/pack
332113	Whisper Swivel II	1/pack

Trach adapters

Part number	Description	Box quantity
1073902	Flexible trach adapter with 22 mm connection	10/pack



Bacterial/viral filters (342077)



Whisper swivel II (332113)



Passive circuit 22 mm (1132340)



Flexible trach adapter with 22 mm connection (1073902)



Performance tubing 22 mm (1032907)
Performance tubing 15 mm (1074400)

*only for non-invasive use

DreamStation BiPAP AVAPS

Noninvasive ventilator

Every patient suffering from chronic respiratory disease has changing therapeutic demands. With DreamStation BiPAP AVAPS noninvasive ventilation solutions, you have the power to treat them that way.



* DreamStation BiPAP AVAPS with optional humidifier

Specifications

Controls

Breath rate	1 to 30 (increment is 1 breath)
Ventilation Features	AAM: Automated Airway Management in any ventilation mode. Automatically and dynamically manages patient's upper airway Digital Auto-Trak: No settings - fully automated triggering, cycling and leak compensation AVAPS Target volume: 200 to 1500 ml per breath (increment is 10ml)
IPAP:	4 - 30 cm H2O
EPAP:	4 to 25 cm H2O
Inspiration Time	.5 to 3.00 seconds (increment is .1 seconds)
Rise Time	1 to 6
Ramp Time	5 to 40 minutes (increment is 5 minutes)
Flex Pressure Relief	0 to 3 (only in S-mode)
Humidification*	Heated humidification, fixed, adaptive (standard 15mm or 15 mm heated tube)

Ventilation modes

CPAP	Continuous positive airway pressure
S	Spontaneous
S/T	Spontaneous/timed ventilation
T	Timed
PC	Pressure control

Give your patients the confidence and convenience of powering their PAP therapy device with the Philips Respironics lithium ion battery. It's designed to provide an uninterruptible power supply (UPS) or battery backup for travelling to the DreamStation therapy devices. The battery pack provides more than 14 hours of battery life set in CPAP mode, pressure 10 cm H₂O, no heated humidification or heated tubing.



Selection of accessories for DreamStation BiPAP AVAPS

Circuit

Part number	Description	Box quantity
PR15	15 mm Std Tube	1/pack

Inline filter and exhalation port

Part number	Description	Box quantity
342077	Bacterial filter	10/pack
332113	Whisper Swivel II	1/pack



Bacterial/viral filters
(342077)



Whisper swivel II
(332113)



15 mm Std Tube
(PR15)

DreamStation BiPAP S/T

Noninvasive ventilator

DreamStation BiPAP S/T makes your patient's care personal and their care plan efficient and effective. To encourage long-term use, DreamStation algorithms automatically adjust to patient needs, and help them adjust to and continue to use therapy.



* DreamStation BiPAP S/T with optional humidifier

Specifications

Controls

Ventilation Pressure	4 to 30 cm H2O (increment is .5 cm H2O) EPAP: 4 to 25 cm H2O (increment is .5 cm H2O) CPAP max pressure is 20 cm H2O
Breaths per Minute	1 to 30 (increment is 1 breath)
Ventilation Features	Digital Auto-Trak (No settings – fully automated triggering, cycling and leak compensation)
Automated Airway Management (AAM)	Automatically and dynamically manages patient's upper airway in any ventilation mode
IPAP:	4 to 30 cm H2O
EPAP:	4 to 25 cm H2O
Pressure Support:	0 to 26 cm H2O
Inspiration Time	0.5 to 3.0 seconds (increment is 1 seconds)
Rise Time	1 to 6
Ramp Time	5 to 40 minutes (increment is 5 minutes)

Flex Pressure Relief	0 to 3 (only in S-mode)
Humidification*	Heated humidification, fixed, adaptive (standard 15mm or 15 mm heated tube)

Ventilation modes

CPAP	Continuous positive airway pressure
S	Spontaneous
S/T	Spontaneous/timed ventilation

Give your patients the confidence and convenience of powering their PAP therapy device with the Philips Respironics lithium ion battery. It's designed to provide an uninterruptible power supply (UPS) or battery backup for travelling to the DreamStation therapy devices. The battery pack provides more than 14 hours of battery life set in CPAP mode, pressure 10 cm H2O, no heated humidification or heated tubing.



Selection of accessories for DreamStation BiPAP S/T

Circuit

Part number	Description	Box quantity
PR15	15 mm Std Tube	1/pack

Inline filter and exhalation port

Part number	Description	Box quantity
342077	Bacterial filter	10/pack
332113	Whisper Swivel II	1/pack



Bacterial/viral filters
(342077)



Whisper swivel II
(332113)



15 mm Std Tube
(PR15)

Mask solutions

Amara SE

Amara with headgear without exhalation port

Part number	Description
1090230	Petite (reduced size frame and headgear)
1090231	Small (reduced size frame and headgear)
1090235	Medium (reduced size frame)
1090236	Large (reduced size frame)



Amara SE (non-vented):



Amara Gel SE

Amara gel with headgear without exhalation port

Part number	Description
1090430	Petite (reduced size frame and headgear)
1090431	Small (reduced size frame and headgear)
1090435	Medium (reduced size frame)
1090436	Large (reduced size frame)



Amara Gel SE (non-vented):



Amara

Amara with headgear with exhalation port

Part number	Description
1090220	Petite (reduced size frame and headgear)
1090221	Small (reduced size frame and headgear)
1090225	Medium (reduced size frame)
1090228	Large (reduced size frame)



Amara vented:



Amara Gel

Amara gel with headgear with exhalation port

Part number	Description
1090420	Petite (reduced size frame and headgear)
1090421	Small (reduced size frame and headgear)
1090425	Medium (reduced size frame)
1090426	Large (reduced size frame)



Amara Gel vented:



FitLife SE

FitLife with headgear without exhalation port

Part number	Description
1061711	Small FitLife SE with headgear
1061712	Large Fitlife SE with headgear
1089995	Extra-large Fitlife SE with headgear



FitLife SE (non-vented):

- S
- L
- XL

FitLife

FitLife with headgear with exhalation port

Part number	Description
1060803	Small FitLife EE with headgear
1060804	Large Fitlife EE with headgear
1089994	Extra-large Fitlife EE with headgear



FitLife vented:

- S
- L
- XL

Amara View

Amara View with exhalation port

Part number	Description
Amara View	
1090662	Small Amara View mask with headgear
1090663	Medium Amara View mask with headgear
1090664	Large Amara View mask with headgear



Amara View:

- S
- M
- L

DreamWear Full Face

DreamWear with exhalation port

Part number	Description
1133370	Small DreamWear Full Face with headgear, small and medium frames
1133371	Medium DreamWear Full Face with headgear, small and medium frames
1133372	Large DreamWear Full Face with headgear, small and medium frames
1133373	Medium-Wide DreamWear Full Face with headgear, small and medium frames



DreamWear Full Face:

- S
- M
- MW
- L

Wisp masks

Wisp with exhalation port

Part number	Description
Wisp Pediatric	
1104961	Fit pack with 3 cushion sizes (SCS, SCM, SCL)
Wisp Youth	
1109298	Wisp youth fabric, P, S/M, L cushions with reduced size headgear



Wisp Pediatric:

- SCS
- SCM
- SCL



Wisp Youth:

- P
- S/M
- L

Not all products and accessories are available in all countries. Check with Philips Respironics customer service or your local distributor.

Consult your local authorities for details regarding reimbursement conditions and payment specifics.

Please refer to the user manual for complete product description, including indications and contraindications for use.

This Brochure is not intended as a substitute for advice from a licensed physician or other healthcare professional, and the prescription issued by the patient's physician should be followed.



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