

RESMED

Elisée™ 350

PORTABLE VENTILATION FOR ICU,
CRITICAL CARE AND TRANSPORT
(Invasive and noninvasive)



Respiratory Care Solutions
Making quality of care easy

Elisée 350: bringing advanced ventilation performance into an easy, accessible and portable device

Elisée 350:

Quality ventilation in hospital and on the move

Elisée 350 is a high quality, turbine-driven ventilator that operates with ambient air and is dedicated to emergency and critical care. Unlike most other mobile ventilators, this compact and light ventilator delivers the performance of an Intensive Care Unit (ICU) ventilator. Elisée 350 is easy to set up, so your patient can be quickly moved on quality ventilation.

Elisée 350 provides a comprehensive range of Volume and Pressure ventilation modes, and is perfectly suited to treat all types of respiratory failure in adults and children.

High mobility and uninterrupted ventilation

- High quality ventilation—uninterrupted even while the patient is being transferred from one care setting to another.
- Continuity of power supply—provides three hours* (minimum) of internal battery power and three additional hours* of power with the external hot-swappable battery pack.**

Advanced performance

- Dedicated algorithm for invasive and noninvasive (NIV) use—exceptional trigger sensitivity, now with NIV+.
- Quick access to respiratory mechanics screens—for automatic calculation of lung resistance and compliance.
- Easy monitoring—with real-time waveforms displayed on the screen.
- Oxygen and nebulisation functionalities—blender enables oxygen concentration to be set at 21-100%; FiO₂ monitoring displayed on-screen; nebulisation synchronised with patient's ventilation.

Transportability

- Custom designed transport bag—for convenience and protection.
- Support bracket—enabling Elisée to be hooked on to a hospital bed or bridged in a helicopter.
- Standard ResMed Trolley—for easy portability and equipment storage.

"NIV+ can facilitate a better weaning process after extubation, with faster and easier adaptation and transfer to NIV. By successfully transferring the patient and stabilising them on NIV, the need for re-cannulation and re-intubation can be widely avoided."¹

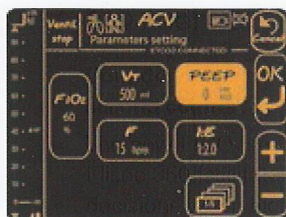
Dr. Martin Bachmann
(Head of Pulmonology Intensive Care and Respiratory Medicine Division,
Asklepios Clinic, Hamburg)



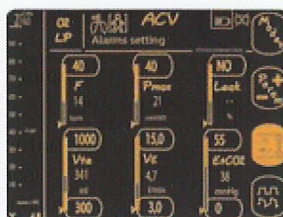
Convenient monitoring



Easy calibration and set-up with a choice of up to five presettable programs to get you started faster.



Intuitive menus on a large touch screen, making clinical choices and monitoring easy.



Alarms menu for simultaneous and rapid display of parameters measured and alarms set.

ResMed Hospital Masks—for quicker acceptance of NIV in demanding environments

- Minimises leaks and improves seal with ResMed's cushion technology.
- Mask stability for therapy at prescribed pressures.
- Reduces pressure sores, discomfort and resistance to therapy.



Hospital Disposable
Full Face Mask (non-vented)



Quattro FX NV
Full Face Mask



Ultra Mirage NV
Full Face Mask



End-tidal IRMA™ CO₂ sensor

Confidence in care when every second counts

The new EtCO₂ sensor for the Elisée 350 facilitates clinical decisions when blood gases are not accessible. It connects easily with Elisée so patient CO₂ levels can be monitored quickly and noninvasively during emergency transport and transfers.

Fast and easy set-up

- Instant EtCO₂ waveforms display on the Elisée screen.
- No warm-up time of sensor required.
- Minimal training.

Convenient monitoring

- Quality ventilation with real-time capnography monitoring at each breath in transport and hospital.

Saving valuable space

- No extra equipment needed, making emergency transport and hospital transfers easy.

*"For the first time ... (with the Elisée 350) we truly have good quality ventilation outside the (ICU) unit, with good monitoring in the (ICU) unit; this means that the same quality of ventilation can be delivered anywhere."*²

Prof. Laurent Brochard
(Professor of Intensive Care Medicine Henri Mondor Hospital, Paris)

¹ NIV+ Trigger Technology Clinical update; sponsored and distributed by ResMed, 2013.
² Turbine Ventilators: the quality and versatility of the Elisée product line; Compiled by Capital Equipment Medical in collaboration with Laurent Brochard, 2004.

* Tested under specific conditions. Please refer to the User Guide for details.

** External battery pack fully integrates with the ventilator.



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Elisée 350
ANZ PAC015740
APAC PAC013374

ACCESSORIES TO COMPLEMENT ELISÉE



EtCO₂ monitoring kit
KIT016226



Hospital Disposable Full Face Mask (Non-vented)
60735 (S), 60736 (M), 60737 (L)
Headgear with clips (10 pack) **60711**



Quattro FX NV Full Face Mask
61755 (S), 61756 (M), 61757 (L)



Ultra Mirage NV Full Face Mask* **60643 (S), 60645 (M), 60647 (L)**
Quick release clip with cord (10 pack) **60619**



Transport and Emergency bag
SAC0151358



Transport and Emergency ergonomic bag mounting for tubes and filters
SAC015904



Transport and Emergency ergonomic power supply/battery pouch
HOU015903



Elisée transport bracket system
SUP015894



Mounting bracket
CRO015982
with optional blade
LAM016023



Small trolley with support bracket and transport arm
PAC012653

* Not available in all regions.

TECHNICAL SPECIFICATIONS

MODES

CPAP, PAC, PS, PS.Vt, ACV, PSIMV, VSIMV

	Paediatric	Adult	Adjustments
PARAMETERS			
Inspiration pressure (cm H ₂ O)	3–40 in NIV 3–60 in Invasive (NO for E250)	5–60	1 cm H ₂ O
Pressure support (cm H ₂ O)	3–40 in NIV 3–60 in Invasive (NO for E250)	5–60	1 cm H ₂
Pressure slope	1, 2, 3, 4	1, 2, 3, 4	–
PEEP (cm H ₂ O)	0–20	0–25	1 cm H ₂ O
Tidal volume (mL)	50–500	300–2500	10 mL (50–1000) 100 mL (1000–2500)
Flow shape	(1–5) Square/Decreasing	(1–5) Square/Decreasing	–
Maximum flow (L/min)	5–40	60 (in volume modes), 220 (in pressure modes)	1 L/min
Respiratory Rate/Frequency (bpm)	2–80	2–50	1 bpm
Inspiration time (seconds)	0.3–3.0	0.3–3.0	0.1 sec
I/E ratio (I/x)	1/0.4–1/9.9	1/0.4–1/9.9	1/0.1
Maximum inspiration time (seconds)	1.0–3.0	1.0–3.0	0.1 sec
Apnea time (seconds)	5–20	10–60	1 sec
Adjustable plateau time (seconds)	0–1.5	0–2.0	0.1 sec
High and low pressure oxygen - FiO ₂ (%)	21–100	21–100	5% (30–100)

TRIGGERS

Inspiration pressure trigger (cm H ₂ O) (Only in Invasive ventilation)	0.2–5.9 / NO in (A)CV and P(A)CV modes 0.2–6.0 in PS.SV, PS.Vt, SIMV and PSIMV modes	0.1 cm H ₂ O
Inspiration flow trigger (L/min) (Only in Invasive ventilation)	0.2–9.9 / NO in (A)CV and P(A)CV modes 0.2–10.0 in PS.SV, PS.Vt, SIMV and PSIMV modes	.1 L/min
NIV+ trigger	AUTO / 1–5 / NO in (A)CV and P(A)CV modes AUTO / 1–5 in PS.SV, PS.Vt, SIMV and PSIMV modes	–
Expiratory trigger (% of peak flow)	10 / 90 AUTO in PS.SV, PS.Vt, SIMV and PSIMV modes	1%

RECRUITMENT / SIGH

Period (min)	NO / 1–60	NO / 1–60	1 min
Duration (seconds)	0.2–40	0.3–40	0.1 sec (0.2–3) 1 sec (3–40)
Pressure (cm H ₂ O)	5–60	5–60	1 cm H ₂ O

NEBULISATION

Period (hr)	1–24	1–24	1 hr
Duration (min)	1–30	1–30	1 min
Flow (L/min)	5–20	5–20	1 L/min

EtCO₂

Infrared spectrometry. Mainstream technology. Display of values, waveforms and 30 min trends.

RESPIRATORY MECHANICS

Measure: Resistance/Compliance, P0.1 (invasive only), Plateau and Peak, Intrinsic PEEP.

TECHNICAL DATA

Size	26 cm x 24 cm x 13 cm (10.2" x 9.4" x 5.1")	Internal battery	3 hrs*
Weight	9.9 lb (4.5 kg) with mains supply pack	External battery	3 hrs*

For a full list of Elisée accessories please visit www.resmed.com/ventilationaccessories



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