

## The Elisée series: bringing advanced ventilation performance into easy, accessible and portable devices

### Elisée 350: Quality ventilation in hospital and on the move

Elisée 350 is a high end, turbine-driven ventilator 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. Simply connect Elisée 350 to an oxygen bottle (if required) and the patient is ready to be moved, with guaranteed 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—maintained even while the patient is being transferred from one care setting to another
- Added flexibility—Elisée 350 operates with ambient air; it can be used with a high or low pressure oxygen source
- 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.\*\* It works on 12–28V DC

### Advanced performance

- Dedicated algorithm for invasive and noninvasive (NIV) use—exceptional trigger sensitivity and alarm settings to suit the type of ventilation
- Quick access to respiratory mechanics screens—for automatic calculation of lung resistance and compliance
- Easy monitoring—the ventilation waveform is displayed on Elisée 350's screen
- Oxygen and nebulisation functionalities—blender enables oxygen concentration to be set at 21–100%; FiO<sub>2</sub> monitoring displayed onscreen; nebulisation synchronised with patient's ventilation

### Transportability

- Custom designed transport bag—for convenience and protection
- Support bracket—screws on to the base of the Elisée 350, enabling the device to be conveniently and safely hooked on to a hospital bed or bridged in a helicopter
- Standard ResMed Trolley—designed to help move equipment around the hospital, neatly stowing all the ventilator's accessories
- ICU Trolley—includes a 15" screen with EasyView software for easy monitoring

### Compact and easy to use

- Intuitive menus—easy for any member of the medical team to use at the touch of a button
- Large touch screen and high-contrast display—clear visibility to suit different usage environments
- Ability to preset five programs and name them according to their clinical function—for quick and efficient start up
- Convenient 180° rotating screen—effective in any position (upright, hanging or tilted)

### Safe and secure

- Dedicated alarms menu—allows rapid, simple and simultaneous display of parameters measured and alarms set
- Backup ventilation based on apnea time setting—provides support for spontaneous ventilation in Pressure Support mode

### Ready to go

- Convenience—can be used with standard patient circuits
- Making noninvasive ventilation even more powerful—with the combined use of the ventilator and ResMed's single-use disposable masks

### Elisée 250

#### Quality ventilation on the move

Elisée 250 is a turbine-driven ventilator, dedicated to the emergency transportation of acute patients, both to and between hospitals.

Designed for adult and pediatric patient transportation, this lightweight, compact, safe ventilator combines ease-of-use with high performance.

Elisée 250 suits a variety of clinical applications, including the treatment of patients with severe respiratory failure.

- Quick and easy to use
- High mobility and battery power
- Advanced performance
- Safe and secure

For a full list of Elisée accessories please visit [www.resmed.com.au/ventilationaccessories](http://www.resmed.com.au/ventilationaccessories)

"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<sup>1</sup>."

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

<sup>1</sup> Turbine Ventilators: the quality and versatility of the Elisée product line; Compiled by Capital Equipment Medical in collaboration with Laurent Brochard. 2004



| TECHNICAL SPECIFICATIONS   | Paediatric  | Adult   | Adjustments                           | ELISEE 250 | ELISEE 350 |
|--|---|---|---------------------------------------|------------|------------|
| <b>PARAMETERS</b>  |   |   |                                       |            |            |
| Inspiration pressure (cm H <sub>2</sub> O)   | 3–40 in NIV<br>3–60 in Invasive (NO for E250)   | 5–60  | 1 cm H <sub>2</sub> O                 | ✓          | ✓          |
| Pressure support (cm H <sub>2</sub> O)   | 3–40 in NIV<br>3–60 in Invasive (NO for E250)   | 5–60  | 1 cm H <sub>2</sub> O                 | ✓          | ✓          |
| Pressure slope   | 1, 2, 3, 4  | 1, 2, 3, 4                                    | –                                     | ✓          | ✓          |
| PEEP (cm H <sub>2</sub> O)   | 0–20  | 0–25  | 1 cm H <sub>2</sub> O                 | ✓          | ✓          |
| Tidal volume (mL)  | 50–500  | 300–2500                                      | 10 mL (50–1000)<br>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 (1/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                               | ✓          | ✓          |
| FiO <sub>2</sub> (%)   | 21–100  | 21–100  | 5% (30–100)                           | ✓          | ✓          |
| <b>TRIGGERS</b>  |   |   |                                       |            |            |
| Inspiration pressure trigger (cm H <sub>2</sub> O)<br>(Only in Invasive ventilation) | 0.2–5.9 / NO in (A)CV and P(A)CV modes<br>0.2–6.0 in PS.SV, PS.Vt, SIMV and PSIMV modes                     | –   | 0.1 cm H <sub>2</sub> O               | ✓          | ✓          |
| Inspiration flow trigger (L/min)<br>(Only in Invasive ventilation)                   | 0.2–9.9 / NO in (A)CV and P(A)CV modes<br>0.2–10.0 in PS.SV, PS.Vt, SIMV and PSIMV modes                    | –   | 0.1 L/min                             | ✓          | ✓          |
| NIV trigger  | AUTO / 1–5 / NO in (A)CV and P(A)CV modes<br>AUTO / 1–5 in PS.SV, PS.Vt, SIMV and PSIMV modes (NO for E250) | –   | –                                     | ✓          | ✓          |
| Expiratory trigger (% of peak flow)  | 10 / 90 AUTO in PS.SV, PS.Vt, SIMV and PSIMV modes  | –   | 1%                                    | ✓          | ✓          |
| <b>RECRUITMENT / SIGH</b>  |   |   |                                       |            |            |
| 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 <sub>2</sub> O)   | 5–60  | 5–60  | 1 cm H <sub>2</sub> O                 | ✓          | ✓          |
| <b>NEBULISATION</b>  |   |   |                                       |            |            |
| 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                               | ✓          | ✓          |

#### TECHNICAL DATA

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

\* Tested under specific conditions. Please refer to the User Guide for details. \*\* External battery pack fully integrates with the ventilator.

#### TECHNICAL DATA

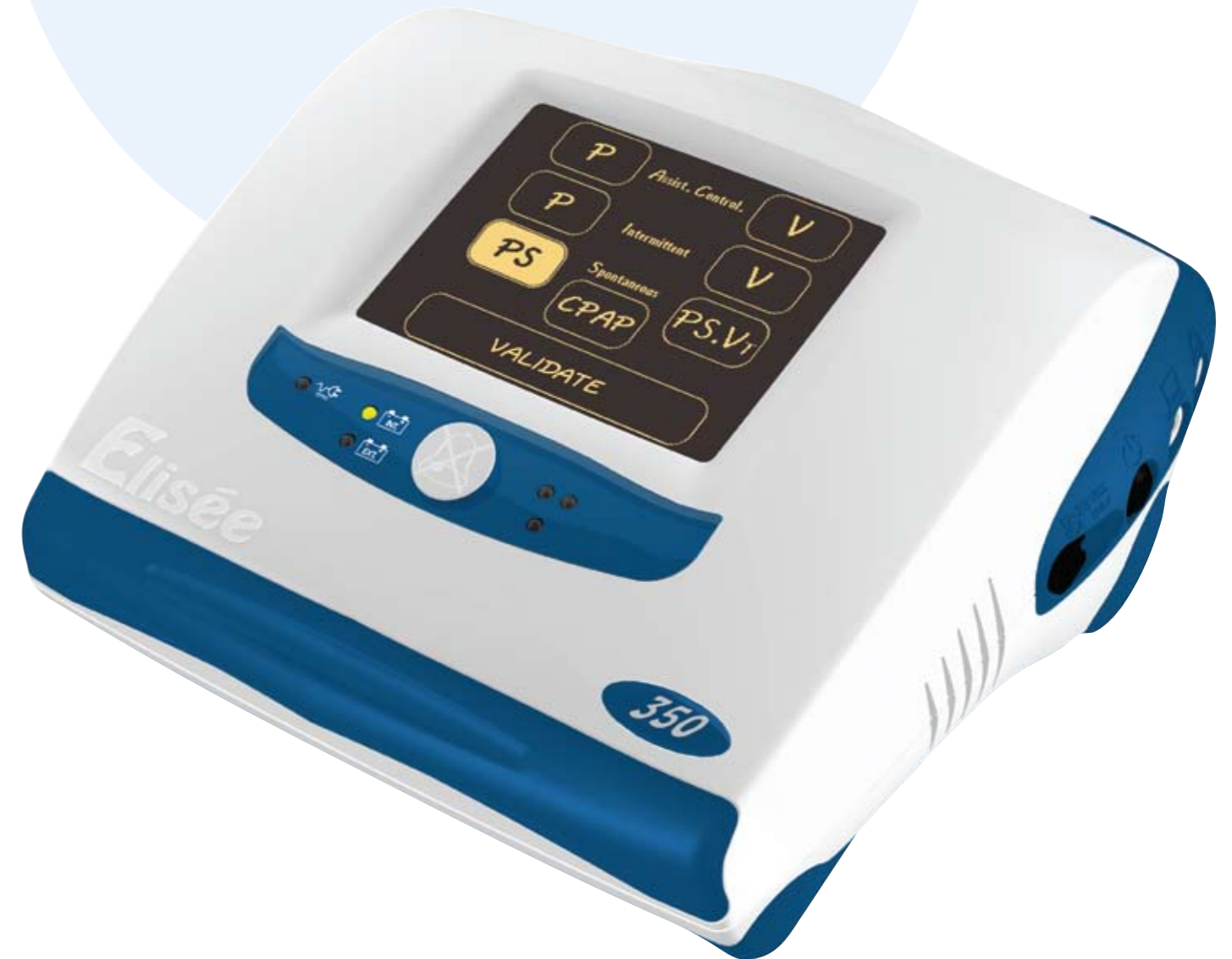
|                      |   |
|----------------------|---|
| Elisée 250 modes:    | PAC, PS, ACV, CPAP                      |
| Elisée 350 modes:    | PAC, PS, PS.VT, ACV, CPAP, PSIMV, VSIMV |
| High pressure oxygen | Elisée 250/350                          |
| Low pressure oxygen  | Elisée 350                              |



**Manufacturer:** ResMed Paris 240 rue de la Motte 77550 Moissy-Cramayel France. **Distributed by:** ResMed Ltd 1 Elizabeth Macarthur drive Bella Vista NSW 2153 Australia. See [www.resmed.com](http://www.resmed.com) for other ResMed locations worldwide. Protected by patents: CA 2242882m CN 200480007797.2, FR 2766568, FR 2812203, FR 0303538, EP 0893673, EP 1177810, JP 4060449, NZ 543179, NZ 566148, US 6164141, US 6722356. Others patents pending. Elisée is a trademark of ResMed Paris SAS and is registered in U.S. Patent and Trademark Office. © 2010 ResMed Paris SAS. Specifications may change without notice. © 2010 ResMed Paris is a subsidiary of ResMed Inc. 1014045/1 10 04

## Elisée™ 350 and Elisée™ 250

CRITICAL CARE AND TRANSPORT VENTILATORS  
(Invasive and noninvasive)



ResMed ventilation solutions  
Making quality of care easy