LEGENDAIR®

AIROX

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positive results for life™

Airox™ **Legendair**™
Ventilator

A mixed portable ventilator, integrating pressure and volume modes for the treatment of most acute and chronic respiratory pathologies, including COPD and neuromuscular diseases.

LEGENDAIR APPLICATIONS

- Home care
- Adults and infants weighing ≥5 kg
- Pressure and volume ventilation
- Noninvasive and invasive ventilation

OXYGEN ENRICHMENT AND MONITORING

The Legendair ventilator is equipped to receive and monitor oxygen supplied from an external low pressure source. The FiO_2 concentration can reach up to 50% of oxygen, and minimum and maximum alarms can be set.

V_T TARGET FEATURE

V_T Target: The V_T Target feature allows you to set a volume target within pressure control mode, thanks to automatic pressure adjustment. As patients sleep and move about, V_T Target works to maintain the established tidal volume setting (when in pressure mode) to improve alveolar ventilation optimization, potentially reducing nocturnal hypoventilation.

COMFORT AND CONVENIENCE

- Responsive flow trigger allows the ventilator to quickly adapt to the patient's breathing
- Small turbine promotes optimal synchronization of the patient to the ventilator
- V_T Target: Ability to set target volume with maximum pressure
- Precise flow and pressure sensors with adjustable I and E triggers in pressure modes
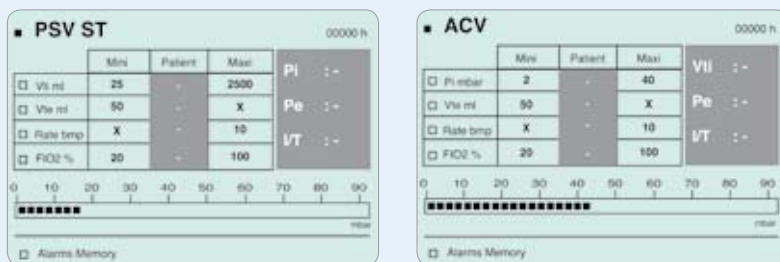- Quiet device: less than 30 dBA at 10 mbar

PORTABILITY

The Legendair ventilator integrates lithium-ion batteries that provide up to 10 hours of portable operation. It is also equipped with a 24 V DC input (Open Pack™ connection) for additional battery life and mobility.
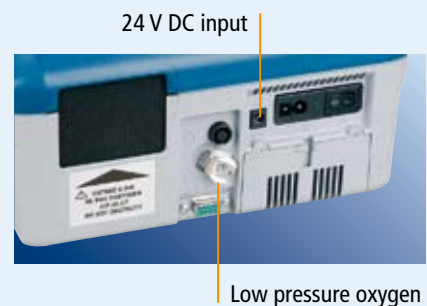
ALARMS AND MONITORING MENU

The Legendair ventilator offers comprehensive alarm screens:

- Settings of minimum and maximum alarm values
- Display of the real measured ventilation values in the active cycles
- Display of the active alarm in a specific window
- Reading of the last nine stored alarm messages with date and hour stamp
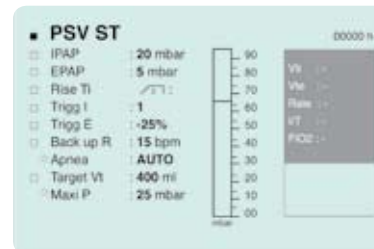- All alarms are stored in the memory and can be retrieved later

SIMPLIFIED MAINTENANCE

- Quick and easy access to all technical components
- Micro-turbine with no maintenance for 15,000 hours
- RS 232 port for software upgrading
- Maintenance menu allows several diagnostics and sensor calibration
- Event memory allows viewing of ventilation alarms, technical events and other occurrences on the display
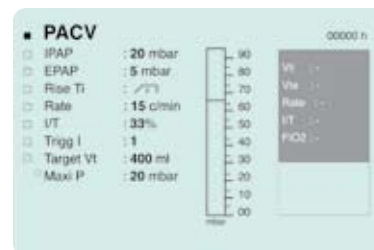- Display shows patient and device hour meters

24 V DC input

Low pressure oxygen

SETTINGS IN PSV/PSV ST MODE

I_{PAP} (inspiratory pressure)	5 - 40
E_{PAP} (expiratory pressure)	0 - 20
Inspiratory ramp (Rise time)	4 Levels
Inspiratory trigger	5 Levels
Exhalation trigger	- 15 to - 75% of decrease from peak flow
Minimum rate	4 – 40
Apnea Time	3 – 30 s
V_T Target	50 – 1400 mL
Maximum pressure (to reach V_T Target)	8 to 55 mbar (limited to + 3 to +15 of I_{PAP})
Monitoring	Vti, Vte, Rate, I/T Ratio, FiO_2, I_{PAP}, E_{PAP} and patient triggering

SETTINGS IN PCV/PACV MODE

I_{PAP} (inspiratory pressure)	5 - 40
E_{PAP} (expiratory pressure)	0 - 20
Inspiratory ramp (Rise time)	4 Levels
Minimum rate	5 – 60
I/T Ratio	50 to 25%
Inspiratory trigger	5 Levels
V_T Target	50 – 1400 mL
Maximum pressure (to reach V_T Target)	8 to 55 mbar (limited to + 3 to +15 of I_{PAP})
Monitoring	Vti, Vte, Rate, I/T Ratio, FiO_2, I_{PAP}, E_{PAP} and patient triggering

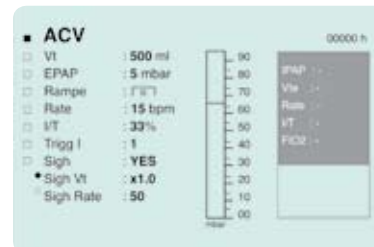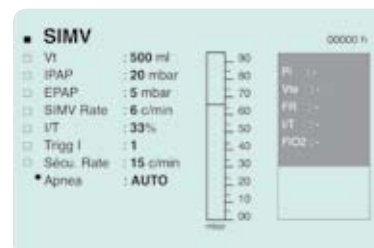## SETTINGS IN CV/ACV MODE

Tidal Volume	50 – 1400 mL
E_{PAP} (expiratory pressure)	0 - 20
Flow ramp	Rectangular, Decelerated, Sinusoidal
Minimum rate	5 – 60
I/T ratio	50 to 25%
Inspiratory trigger	5 Levels
Sigh	Yes / No V_T : from 1,0 to 2,0 of set V_T Rate : 50 to 250
Monitoring	I_{PAP}, E_{PAP}, Vti, Vte, I/T, FiO_2 and patient triggering

SETTINGS IN SIMV MODE

Tidal Volume	50 – 1400 mL
I_{PAP} (inspiratory pressure)	5 - 40
E_{PAP} (expiratory pressure)	0 - 20
SIMV Rate	2 - 20
I/T Ratio	50 to 25%
Inspiratory trigger	5 Levels
Security rate	4 - 40
Apnea Time	3 – 30 s
Monitoring	I_{PAP}, E_{PAP}, Vti, Vte, I/T, FiO_2 and patient triggering

USER-FRIENDLY DESIGN

- Large LCD screen
- All parameters displayed on a single screen
- Dedicated menu for alarms and patient monitoring
- Ventilation mode can be changed during ventilation
- Tutorial messages for the user
- Parameters can be locked

EXHALATION V$_T$ MONITORING

The Legendair ventilator offers the option to integrate exhaled tidal volume monitoring.

- Compatible with a variety of exhalation valves
- Exhalation kit is configured as a "mono-block" for easy installation and disinfection
- Exhaled tidal volume is shown on the display

ERGONOMICS

The Legendair ventilator was thoughtfully designed with numerous features that make it easy to handle and use.

- Large integrated handle
- Small size
- Lightweight: only 4.5 kg, including the internal battery
- Clear, easy-to-read display
- Patient circuits are quick and easy to install

TECHNICAL SPECIFICATIONS CHART

Medical device class	II B
Weight	4.5 Kg
Dimensions	H 154 x L 235 x W 315 mm
Power supply	115/230 V ± 10% – 50/60 Hz
Isolation class	II
Consumption	80 VA nominal and 90 VA Maxi
External battery	24 V DC
Internal battery	Lithium Ion quick charge.
6 to 10 hours autonomy.	

ACCESSORIES AND PRODUCT REFERENCES CHART

REFERENCES	DESCRIPTION
4095700	**Legendair Single Branch** (Equipped with: power supply cable, user's manual, carrying bag, single use patient circuit with exhalation valve)
4095701 (UK)	**Legendair Single Branch** (Equipped with: power supply cable, user's manual, carrying bag, single use patient circuit with exhalation valve)
4095900	**Legendair Double Branch** (Equipped with: power supply cable, user's manual, carrying bag, single use patient circuit with exhalation valve)
4095901 (UK)	**Legendair Double Branch** (Equipped with: power supply cable, user's manual, carrying bag, double branch patient circuit with exhalation valve)
	ACCESSORIES
4096099	External remote alarm (5 m)
3814199	**FiO$_2$ kit** (oxygen cell, T adaptator, connection cable, deflector)
3823099	**Exhalation block**
3809099	Carrying bag
2962799	**Oxygen inlet connector** (pack of 10)
3810899	24VDC external cable
2961999	**Cable 9MF** (RS232)
2967299	Dual bag
	CIRCUITS
5093600	Adult single limb circuit with exhalation valve 180 cm – single use
5094000	Adult double limb circuit with exhalation valve 180 cm – single use
5093500	Pediatric single limb circuit with exhalation valve 180 cm – single use
5093900	Pediatric double limb circuit with exhalation valve 180 cm – single use
	DISPOSABLES
2964299	**Oxygen cell** (for FiO$_2$ measurement kit)
2963399	Air inlet combi filter (pack of 6)

This product is available in many countries around the world; however it has not received FDA clearance for marketing the device and is not for sales in the US.

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