



COVIDIEN

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

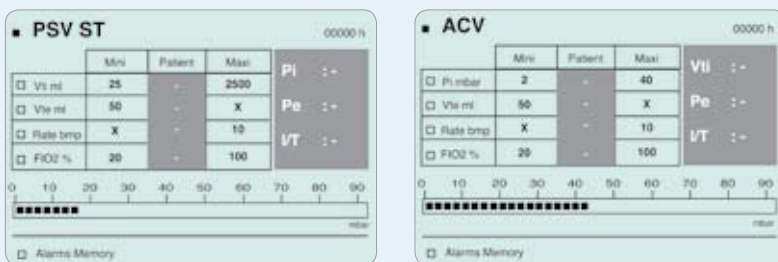
PORTABILITY

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

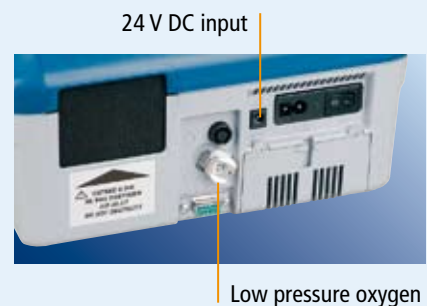
The Legendair ventilator offers comprehensive alarm screens:

- 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



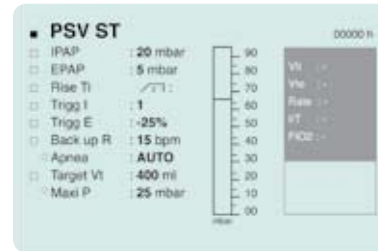
SIMPLIFIED MAINTENANCE

- 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



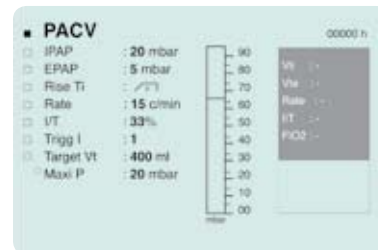
SETTINGS IN PSV/PSV ST MODE

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	V_{ti} , V_{te} , Rate, I/T Ratio, FiO_2 , I_{PAP} , E_{PAP} and patient triggering



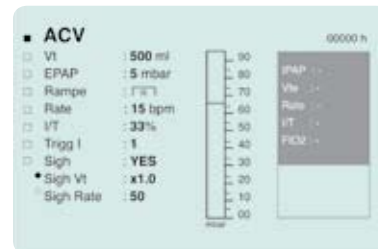
SETTINGS IN PCV/PACV MODE

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	V_{ti} , V_{te} , Rate, I/T Ratio, FiO_2 , I_{PAP} , E_{PAP} and patient triggering



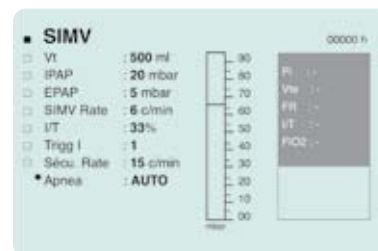
SETTINGS IN CV/ACV MODE

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} , V_{ti} , V_{te} , 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} , V_{ti} , V_{te} , I/T, FiO_2 and patient triggering



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 \pm 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	
4096000	External remote alarm (5 m)
3814100	FiO ₂ kit (oxygen cell, T adaptator, connection cable, deflector)
3823099	Exhalation block
3809000	Carrying bag
2962700	Oxygen inlet connector (pack of 10)
3810800	24VDC external cable
2961900	Cable 9MF (RS232)
2967200	Dual bag
CIRCUITS	
5092800	Adult single limb circuit with exhalation valve 180 cm – single use
5093000	Adult double limb circuit with exhalation valve 180 cm – single use
5092700	Pediatric single limb circuit with exhalation valve 180 cm – single use
5092900	Pediatric double limb circuit with exhalation valve 180 cm – single use
DISPOSABLES	
2964200	Oxygen cell (for FiO ₂ measurement kit)
2963300	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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