



# Leoni plus Transport

HFOV transport ventilator for premature infants and children

Homecare  
Pneumology  
NEONATOLOGY  
Anaesthesia  
Intensive Care Ventilation  
Sleep Diagnostics  
Service  
Patient Support

# Innovative ventilation technology for the special needs of our smallest patients.

## Patient transport with HFOV—no problem with the new Leoni plus Transport

Leoni plus Transport expands its possible applications especially in the out-of-hospital transport of patients. In addition to power supplied by the on-board power supply of the life-saving device, the integrated high-performance battery powers the device for up to 200 minutes in conventional ventilation modes and for up to 60 minutes in HFOV. The display is specially adapted to the requirements of the user through the free selection of the number of graphs and loops and displayed measurements.

	Technical specifications	
Control unit	Control principle	Time-controlled, pressure-limited, tidal volume guarantee, tidal volume limit
	Flow sensor Dead volume	Hot-wire anemometer, close to patient on Y-piece 0.9 mL
Gas mixer	Flow principle	Constant flow
	Gas mixture Inspiration O <sub>2</sub> concentration Oxygen flush	Electronic gas mixer 21%–100% 23%–100% for maximum 2 min.
Ventilation modes	CPAP	Yes
	IPPV and IMV	Yes
	S-IPPV	Yes
	SIMV	Yes
	PSV-S-IPPV	Yes
	PSV-SIMV	Yes
	nCPAP	With NeoJet™
	nIPPV	With NeoJet™
	HFOV	
Parameter	Peak inspiration pressure	6–60 cm H <sub>2</sub> O
	PEEP/CPAP	0–20 cm H <sub>2</sub> O
	Frequency	200 1/min.
	Inspiration time	0.1–2 sec.
	Expiration time	0.2–30 sec.
	Inspiration flow	1–32 l/min.
	Expiration flow	2–10 l/min.
HFOV	Principle	Integrated membranes
	Oscillation setting range	0–100 cm H <sub>2</sub> O
	Mean pressure setting range	0–30 cm H <sub>2</sub> O
	Frequency setting range	5–20 Hz
Monitoring	Ventilation graphs	Pressure, flow, volume
	Ventilation loops	Flow/pressure, volume/pressure, flow/volume
	Lung function	Compliance, C20/C, resistance
	Alarms	Plain text messages in three large alarm windows
	Logbook function	1,000 recent alarms
	O <sub>2</sub> measurement	21%–100%
Electrical data	Power supply	100–240 V <sub>AC</sub> , 50/60 Hz
	Battery-powered operation	200 min. conventional, 60 min. HFOV
Sizes	Dimensions (WxHxD)	30.5 x 38.5 x 39 cm
	Weight	22 kg (including HFOV module)

The following ventilation forms are available:

- CPAP
- IPPV/IMV
- S-IPPV/SIMV
- 2 PSV modes
- HFOV
- nCPAP/nIPPV with NeoJet™



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