



**15,000
Ventilators
50 Countries**



Flight 50

The proven portable Ventilator

A compact all-purpose ventilator offering remarkable performance and features in a portable and cost effective package. Flight 50 is the dependable, affordable choice for portable patient care.

Complete Ventilation Suite

- Pressure & volume ventilation modes
- Pressure Support
- Built in PEEP
- 10 hours internal battery life
- Fully independent internal compressor

Independence & Portability

- Clear display of all ventilation parameters
- Internal dual micro piston compressor
- Intuitive & easy to use
- Light weight & compact - 7.6 kg
- Connects to both high pressure and low flow Oxygen



Flight 50 Ventilator - Versatile ~ Reliable ~ Rugged



FLIGHT 50 All purpose portable ventilator

Versatile - Affordable - Dependable

Flight 50 Technical Specifications

PATIENT RANGE	
	Pediatric (≥ 10 kg) - Adult
CONTROLS/SETTINGS	
Modes (Pressure or Volume)	A/CMV, SIMV, SPONT
Volume Control (Tidal Volume)	100 to 2,200 mL, ATPS $\pm 10\%$
f (Frequency)	1 to 99 b/min
ti (Inspiratory Time)	0.1 to 3.0 sec
PEEP/CPAP	0 to 30 cmH ₂ O/mbar
Psupport (Pressure Support)	0 to 60 cmH ₂ O/mbar
V (Flow)	6 to 100 L/min
I:E Ratio	1:99 to 3:1
Pressure Control (Target Pressure)	PEEP + 5 to 60 cmH ₂ O/mbar
Ptrigger (Sensitivity)	-9.9 to 0 cmH ₂ O/-9.9 to 0 mbar
Panel Lock	ON/OFF
Manual Inflation	3 sec maximum (single operator controlled breath)
FiO ₂ (with Optional Accessories)	.21 to 1.00
MONITORED PARAMETERS	
Paw (Peak, Mean, Base)	V _i (insp. Minute volume)
Internal Battery	f total (total frequency)
ALARMS	
▲ Paw (High Airway Pressure)	4 to 99 cmH ₂ O/4 to 99 mbar
▼ Paw (Low Airway Pressure)	3 to 98 cmH ₂ O/3 to 98 mbar
High Baseline Pressure	Paw < PEEP - 3 cmH ₂ O/mbar for 3 sec during exhalation
High Baseline Pressure	Paw > PEEP + 8 cmH ₂ O/mbar at onset of a breath or 3 sec after the start of exhalation
▲ Vi (High Insp. Minute Volume)	1.1 to 50 L /min
▼ Vi (Low Insp. Minute Volume)	0.1 to 49.0 L/min
Back-up ventilation alert	
Apnea (Paw/Apnea)	30 secs ± 3 secs
Device/Alert	malfunction alert
Power Switchover	AC to DC
Low Battery	Minimum of 30 minutes battery time remains until shutdown
Silence/Reset	60 sec
PNEUMATICS	
Gas Delivery System	internal dual micro-piston
Air/Oxygen Mixer (Optional)	35 to 90 psig oxygen
POWER REQUIREMENTS	
	100-240 VAC, max. 2A
	50/60/400 Hz
	12-30 VDC, max 12A
INTERNAL BATTERY	
Dual Pack	Lead acid + NiMH Provides up to 10 hours operation
DIMENSIONS	
Width	27 cm (10.63 in)
Depth	20 cm (7.87 in)
Height	26 cm (10.24 in)
Weight	7.6 kg (16.7 lbs)
MISCELLANEOUS	
Operating Temperature	-18° C to 50° C
Operating Pressure	600 to 1100 mBar
Operating Altitude	0 to 4,572 m (0 to 15,000 ft)
Operating Humidity	15 to 95% non-condensing
Storage Temperature	-40° C to 65° C
RS-232 / Remote Alarm Output	8 pin Semconn connector 19,200 Baud interfacing with central alarm systems
Standards	IEC 60601-1:1988, CEI/IEC 60529:2001, IEC 60601-1-2:2001, IEC 68-2-6, IEC 68-2-29, IEC 68-2-32, IEC 68-2-36, IEC 601-2-12:2001, MIL-STD-810E, ASTM F 1100-90, ASTM F 1246-91



Mktd. by:
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