



PISTON

Home Care

Flight 60[®]

Your Partner in Ventilation

Offers remarkable comfort level, dependability, independence and quality of life while maximizing performance and safety. The Flight 60 ventilator is designed to address the needs of a wide range of patients providing efficient therapy with simple and intuitive operation.

Safe, Intuitive and Mobile

- 12 hours internal battery
- Extensive alarm system
- Exhaled volume monitoring
- Integrated O₂ sensor with in-use calibration
- Simple to use with 7" color touch screen
- Lightweight & portable – 6.3 kg
- Advanced Monitoring
 - Trends - display up to 72 hours
 - Lung Mechanics including Plateau Pressure

Full Ventilation Package

- Advanced ventilation modes
 - Pressure and Volume
 - Volume Guarantee mode
 - Bi-Level
 - Invasive & non-invasive
- Pediatric to adult - 30 ml - 2.2 liter
- Backup ventilation
- 5 programmable pre-sets
- Telemedicine ready



Flight Medical[®]

Your Partner in Ventilation



FLIGHT 60

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Technical Specifications

MODES	
	ACMV - PCV/VCV/PRVC
	SIMV - PCV/VCV/PRVC
	SPONT (CPAP, BPAP)
	Volume Guarantee
	B-Lev (Bi-Phasic, APRV)
CONTROLS	
NPPV	OFF/LOW/HIGH (leak compensation up to 30 LPM)
VG Mode	VtG (Tidal Volume Guarantee) MVG (Minute Volume Guarantee)
SIGH	ON/OFF
2min 100% O ₂ Function	ON/OFF
Tidal Volume	30 to 2,200 ml
Breath Rate	1 to 99 b/min
Inspiration Time (Ti)	0.1 to 3.0 sec
Flow	2 to 100 L/min
Pressure Control	5 to 80 cmH ₂ O
Pressure Support (PSV)	0 to 60 cmH ₂ O
PEEP/CPAP	0 to 40 cmH ₂ O
Pressure Trigger	-20.0 to -0.1 cmH ₂ O
Flow Trigger	1 to 20 LPM
Rise Profile	5 levels
PSV Ti	0.1 to 3 sec
PSV Flow Termination	10% to 90%
Volume Control	Time/Flow
Flow Waveform	Square/Descending
FiO ₂	21% to 100%
FiO ₂ Sensor	ON, OFF, Calibrate
Manual Breath	0 to 3 sec
Panel Lock	ON/OFF
Trends	ON/OFF/Clear
Maneuvers	Inspiratory Hold, Expiratory Hold
Hold Length	1 to 6 seconds
VG Mode Controls	
Target VtG	30 to 2,200 ml
PSV min	0 to 60 cmH ₂ O
PSV max	5 to 60 cmH ₂ O
Trigger Delay	ON/OFF
B-Lev Controls	
P High	3 to 60 cmH ₂ O
P Low	0 to 30 cmH ₂ O
T High (Ti)	1 to 15 sec
T Low	0.5 to 5 sec
Inverse I:E	30:1
ALARMS (variable)	
Alarm Prioritization	3 Levels – Caution, Medium, High
Low Minute Volume	0.0 to 50 L/min
Low Pressure	OFF, 1 to 98 cmH ₂ O
High Pressure	4 to 99 cmH ₂ O
High Minute Volume	0.1 to 50 L/min
High FiO ₂	31% to 99%, OFF
Low FiO ₂	OFF, 22% to 90%
High Rate	OFF, 1 to 99 bpm
Low Rate	OFF, 1 to 99 bpm
Low Vte	OFF, 10 to 2,200ml
Low Vti	OFF, 10 to 2,200ml
Apnea/Back-Up Ventilation	10-60 sec

* NOTE: Some features of the Flight 60 may not be available or cleared in all countries. For detailed information, contact your local Flight Medical representative.

ALARMS (automatic)	
	Check Circuit (Circuit Disconnect), Low/Empty Battery, O ₂ Supply Failed, Check O ₂ Sensor, Target Volume not reached
MONITORED PARAMETERS	
Waveforms	Pressure, Flow, Volume
Loops	Pressure/Volume & Flow/Volume
Trends	Rate, Peak Inspiratory Pressure & Vte (up to 72 hours)
Airway Pressure LED Gauge	-10 to 120 cmH ₂ O
Peak Inspiratory Pressure	0 to 120 cmH ₂ O
Base Pressure	0 to 99 cmH ₂ O
Mean Pressure	0 to 99 cmH ₂ O
Exhaled Tidal Volume	0 to 10L
Exhaled Minute Volume	0 to 99L
Inhaled Tidal Volume	0 to 10L
Inhaled Minute Volume	0 to 99L
Actual Breath Rate	0 to 99 b/min
Peak Inspiratory Flow	1 to 120 L/min
RSBI	0 to 200 1/min*L
Lung Mechanics	Static and Dynamic Compliance, Resistance, Plateau Pressure, Auto PEEP
FiO ₂	21% to 100%
I:E Ratio	1:99 to 3:1
Battery Level	100% to 0%, Low, Empty
SPECIAL FUNCTIONS	
Buzzer Level	LOW/HIGH
Keypad Buttons	Keypad buttons with audible indicator
Power Save	ON/OFF/NIGHT
Languages	English, French, German, Greek, Hungarian, Italian, Polish, Portuguese, Russian, Spanish, Turkish
Quick Start	5 preset ventilation modes
SIZE AND WEIGHT	
Dimensions (WxLxH)	29 x 28 x 25 cm / 11.4" x 11.0" x 9.8"
Weight	6.3 Kg / 13.9 lbs 6.9 Kg / 15.2 lbs (with integrated mixer)
OXYGEN	
O ₂ Mixer (optional)	Internal integral, electronically controlled
High Pressure	35 to 90 psi
Low Flow Port	0 to 15 L/min
Low Flow Blending Bag	0 to 15 L/min
POWER SUPPLY	
AC Power Inlet	100 to 240 VAC, 50-60Hz
DC Power Inlet	12 to 15 VDC
Internal Batteries	Hot Swappable 12 hours operation
Charging Time	Up to 3 hours
COMMUNICATIONS	
USB x2	Download Logs, SW Upgrade
RS232 x2	Remote Alarm and Monitoring
ENVIRONMENTAL	
Operation Temperature	-18°C to 50°C / -0.4°F to 122°F
Storage Temperature	-20°C to 71°C / -4.0°F to 160°F
Relative Humidity	15% to 95% at 31°C / 88°F
Operation Altitude	110 kPa to 70 kPa
Water/Dust Resistance	IP34 (splash proof)
STANDARDS	
	IEC 60601-1, IEC 60601-1-2, IEC 60601-2-12, ASTM 1246F, ISO 10651-2/3, RTCA DO-160 F

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