Flight Medical

Your Partner in Ventilation

PISTON

Flight 60®

Critical and Acute Care Ventilation

The Flight 60 is designed to meet the increasing demand of high quality ventilation while improving patients comfort and independence

CCV - Continuity of Care Ventilation

ICU Quality Ventilation Anywhere

- Hospital
  - Acute Care, ER, Transport, Step Down
- EMS and Transport
- Emergency and Preparedness
- Home care

Full Ventilation Package

- Advanced Ventilation Modes
- Top of the line performance
- User friendly
- Comprehensive Monitoring
- Multipurpose Dual and Single Limb
- High degree of Autonomy - 12 hours internal battery

FLIGHT 60 Technical Specifications

Turbine Configuration

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_2O
Pressure Support (PSV)	0 to 60 cmH_2O
PEEP/CPAP	0 to 40 cmH_2O
Pressure Trigger	-20.0 to -0.1 cmH_2O
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_2O
PSV max	5 to 60 cmH_2O
Trigger Delay	ON/OFF
B-Lev Controls	
P High	3 to 60 cmH_2O
P Low	0 to 30 cmH_2O
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_2O
High Pressure	4 to 99 cmH_2O
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

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_2O
Peak Inspiratory Pressure	0 to 120 cmH_2O
Base Pressure	0 to 99 cmH_2O
Mean Pressure	0 to 99 cmH_2O
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

* 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.

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Flight Medical®

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