



# 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 60 LPM)
VG Mode	VtG (Tidal Volume Guarantee) MVG (Minute Volume Guarantee)
SIGH	ON/OFF
Synchronized Nebulizer	ON/OFF
Nebulization Period	OFF, 5 to 60 min
2min 100% O <sub>2</sub> 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 220 L/min
Pressure Control	5 to 80 cmH <sub>2</sub> O
Pressure Support (PSV)	0 to 60 cmH <sub>2</sub> O
PEEP/CPAP	0 to 40 cmH <sub>2</sub> O
Pressure Trigger	-20.0 to -0.1 cmH <sub>2</sub> 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 <sub>2</sub>	21% to 100%
FiO <sub>2</sub> Sensor	ON, OFF, Calibrate
Manual Breath	0 to 3 sec
Panel Lock	ON/OFF
Trends	ON/OFF/Clear
VG Mode Controls	
Target VtG	30 to 2,200 ml
PSV min	0 to 60 cmH <sub>2</sub> O
PSV max	5 to 60 cmH <sub>2</sub> O
Trigger Delay	ON/OFF
B-Lev Controls	
P High	3 to 60 cmH <sub>2</sub> O
P Low	0 to 30 cmH <sub>2</sub> 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 <sub>2</sub> O
High Pressure	4 to 99 cmH <sub>2</sub> O
High Minute Volume	0.1 to 50 L/min
High FiO <sub>2</sub>	31% to 99%, OFF
Low FiO <sub>2</sub>	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 <sub>2</sub> Supply Failed, Check O <sub>2</sub> 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 <sub>2</sub> O
Peak Inspiratory Pressure	0 to 120 cmH <sub>2</sub> O
Base Pressure	0 to 99 cmH <sub>2</sub> O
Mean Pressure	0 to 99 cmH <sub>2</sub> 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
FiO <sub>2</sub>	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, Portu- guese, 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	5.5 Kg / 12 lbs 6.0 Kg / 13.3 lbs (with integrated mixer)
OXYGEN	
O <sub>2</sub> 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 8 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.



**TURBINE**



## Flight F60 T

**maximum value**

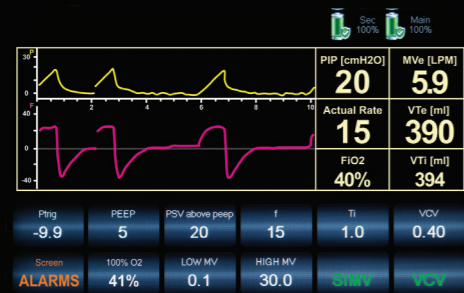
Excellent flexibility in a diversified hospital environment

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### Ease of Use

- Quick Start
- 7.1" Touch-Screen
- 1 Screen Technology - no drill down menus



### Excellent NIV Performance

- 60lpm leak compensation
- 220lpm maximum flow
- Enhanced synchronization with sensitive triggering

### Fully featured life support

- Volume and Pressure modes
- Exhaled Volume Measurements
- Extensive Alarm System
- Apnea Ventilation

### Unique Weaning Mode

#### MVG with Trigger Delay

- Improved Patient Comfort
- Adaptive PSV (Lower PIP for equal Volume)
- Better Weaning
- Enhanced patient synchronization

### Advanced Monitoring

- 72 hrs trends with adjustable scale
- PV and FV Loops

#### Lung Mechanics

- Static/dynamic Compliance

### ICU Features in a 5.5Kg Ventilator

#### Powerful ventilation

- Pressure Control up to 80cmH2O
- PEEP up to 40cmH2O

### Intra-hospital transport

- Easily detaches and moves with patients
- 8-hour hot swappable battery
- Mobile stand with quick-release
- Compact and light-weight (12lbs, 5.5Kg)