

Flight 60T Specifications

Intended use

Ventilator designed to provide invasive and non-invasive ventilation in the critical care management of adult and pediatric patients weighing more than 5 kg

Ventilation Modes

• Spontaneous	(CPAP/BIPAP/BIPAP ST/PSV)
• ACMV	(Pressure Control / Volume Control / PRVC)
• SIMV	(Pressure Control / Volume Control / PRVC)
• B-Lev	(Bi-Level, APRV, Biphasic, Duo-PAP)
• Volume Guarantee	VtG and MVG (VG PS / AVAPS)
• NIV with leak compensation up to 60 lpm (F60 T)	

Operating environment

• Temperature	-18 °C to 50 °C / -0.4 °F to 122 °F
• Humidity	15% to 95% at 31°C/88°F
• Altitude:	70 kPa to 110 kPa
• Storage temperature	-20°C to 71°C / -4°F to 160°F
• Water/dust resistance	IP34 (splash-proof)

Dimensions

• Width •	29 cm / 11.4"
Height •	25 cm / 9.8"
Depth	28 cm / 11.0"

Weight (batteries included)

- 5.5 kg/6 kg turbine with integrated mixer

User interface

- Easy-to-use 7" color LCD touchscreen
- Languages: English, German, French, Italian, Spanish, Portuguese, Russian, Polish, Hungarian, Greek, Turkish, Japanese, Chinese
- Acoustic level: Low / High
- 5 customizable presets
- Lockable keypad buttons

Power supplies

- 100 to 240 V, 50-60 Hz
- AC 12 to 15 V
- DC • Hot-swappable lithium-ion batteries for 8 to 12 hours
- Energy saving On/O/Night

Controls

• Flow	F60T: 2 to 220 bpm; F60: 2 to 100 bpm
• Tidal Volume	30 to 2,200 ml
• Respiratory Rate •	1 to 99 rpm
Manual Breathing •	0 to 3 seconds
Pressure Control •	5 to 80 cmH2O
Volume Control •	Time / Flow
Pressure Support •	0 to 60 cmH2O
PSV Flow Termination	10% to 90%
• PEEP/	0 to 40 cmH2O
CPAP • Pressure	-20 to -0.1 cmH2O
Trigger • Flow	1 to 20 bpm
Trigger • Rise	5 levels
Profile • Inspiratory Time	0.1 to 3 sec
(Ti) • FIO2	21% to 100%

- 2 minutes of 100% O2 supply
- Sigh On/Off
- Synchronized nebulizer 5 to 60 min.

- Altitude compensation O₂, 500 to 4500 m
- Automatic purge circuit 30 to 300 sec.
- Customizable apnea ventilation

B-Lev Controls (APRV)

- High T (inspiration time) 1 to 15 sec.
- Low T (expiration time) 0.5 to 5 sec
- High P (inspiratory pressure) 3 to 60 cmH2O
- Low P (expiratory pressure) 0 to 40 cmH2O
- Reverse I/E 30:1

Alarms

- 3-level alarm prioritization - Caution/Medium/High
- Apnea 10 to 60 sec
- Battery Low/Discharged/Disconnected
- Minute volume Low/High
- Pressure Low/High
- FIO2 Low/High
- Vti/Vte Low
- Check patient circuit • Defective O2 sensor • O2 supply failure

- Low/High respiratory rate

Monitors

- Inspiratory airway pressure -10 to 120 cmH2O
- Maximum inspiratory pressure (PIP) 0 to 120 cmH2O
- Exhaled/inhaled tidal volume 0 to 10 L
- Exhalation/inhalation minute volume 0 to 99 bpm •
- Basal/average blood pressure 0 to 99 cmH2O
- Freq. real respiratory 0 to 99 rpm
- FIO2 21% to 100%
- I:E ratio 1:99 to 3:1 • RSBI 0 to 200

- Pressure, Flow, Volume
- Pressure-Volume, Flow-Volume Waves
- Trends Respiratory Rate, PIP, Vte (up to 72 hours)

Oxygen

- Optional O2 mixer • High Internal, electronically controlled pressure/low flow port 35 to 90 psi / 0 to 15 lpm
- Compatible with oxygen tanks and concentrators

Communication

- 2 USB ports Download log, software update
- 2 external RS232 connectors Remote Alarm and Monitoring
- RJ 45 connector

Rules

- IEC 60601-1, IEC 60601-1-2, IEC 60601-2-12, ASTM 1246F, ISO 10651-2/3, RTCA DO-160

Your ventilation assistant



Flight 60®

Reliable ventilation
in any area of care



Flight Medical Innovations Ltd. manufactures, develops, and markets life support respiratory ventilators for critical care and emergency settings, long-term intensive care, home care, transport, military use, accident and emergency preparedness.

Flight 60T is a fully self-contained, turbine-driven fan.

Used worldwide, the Flight 60T is a volume- and pressure-controlled ventilator for invasive and non-invasive ventilation.

Cost-effective, complete, and effective solution for reliable ventilation in any care setting.

Flight 60®



Provides high-quality mechanical ventilation in all clinical situations

- Adults and children over 5 kg
- Pressure and volume ventilation
- Basic and advanced modes
- Volume guarantee modes
- Non-invasive and invasive ventilation

A versatile monitor with ICU-level features

- ICU modes: B-Lev, PRVC, Volume Guarantee
- Continuous monitoring of respiratory parameters
- Flow or pressure trigger to optimize patient-machine synchronization
- Internal mixer: Low flow and high pressure O₂, 100% O₂ preset
- Customized apnea reserve ventilation to maintain patient parameters
- Complete alarm system
- No air inlet connection required

Transportation and home care

- Invasive and Non-Invasive Ventilation
- Flight 60T provides the tools to ventilate patients in any care setting
- Flight 60T offers advanced weaning modes, with preselection of rapid ventilation options
- TheFlight 60T's portability and long lasting battery make it the perfect solution for delivering powerful ventilation
- Low-flow oxygen inlet. No need for a high-pressure oxygen source
- Splash-proof: allows the patient to leave the ventilator near the shower
- Lockable screen to prevent unexpected actions
- Oxygen is delivered during the inspiration phase to reduce O₂ consumption and intervention costs
- Screen brightness dimming for patient comfort at night
- Nozzle ventilation function

It is no longer necessary to change equipment.

- Automatic leak compensation enables effective and comfortable mask ventilation in a wide range of modalities
- Pressure support in CPAP and BiPAP for ideal care
- Flow and pressure trigger options
- Uses the same device and patient circuit when switching between invasive and noninvasive therapies
- Integrated, balanced nebulizer (not available in the US)

Transportation and medical emergencies

- Whether for out-of-hospital critical care transport, emergency preparedness, or mass casualty response, the Flight 60T provides a robust and reliable solution for all levels of ventilation requirements. Its autonomous platform allows caregivers to treat patients in any environment, conserving oxygen and energy.
- Patient transfer in all ventilation modes. Autonomy: Eight to twelve hours of independent ventilation, including hot-swappable battery.
- Any power source, approved for use. in flight
- Five preset modes: Allows healthcare personnel to focus their attention on the patient and shortens the time to make the correct clinical decision

Ease of use

- 7" color touch screen clearly visible even outdoors in daylight or under fluorescent lighting
- All parameters and alarms are displayed on a single screen
- Intuitive user interface requires minimal training
- Curves and loops
- 72 hours of trends
- Adjustable alarms
- Downloadable episode logs
- Customizable settings