

## Flight 60T Tech Specs

### Intended Use

Ventilator designed to provide Invasive and Non-Invasive ventilation for the critical care management of adult and pediatric patients greater than 5 kg

### Modes of Ventilation

|                         |  |
|-------------------------|--|
| • Spont                 | (CPAP/BiPAP/BiPAP ST/PSV)              |
| • ACMV                  | (Pressure control/Volume control/PRVC) |
| • SIMV                  | (Pressure control/Volume control/PRVC) |
| • B-Lev                 | (Bi-Level, APRV, Bi-Phasic, Duo-PAP)   |
| • Volume Guarantee      | VtG & MVG (VG PS/ AVAPS)               |
| • NIV leak compensation | Up to 100 l/min                        |
| • HFOT*                 | (High Flow Oxygen Therapy)             |

### Operating Environment

|                         |                                   |
|-------------------------|-----------------------------------|
| • Temperature           | -20 °C to 50 °C / -4 °F to 122 °F |
| • Humidity              | 15% to 95% at 31 °C/88 °F         |
| • Altitude:             | 70KPa to 110KPa                   |
| • Storage T°            | -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 | 5.5 kg / 6 kg with integrated mixer |

### User Interface

- 7" easy to use color LCD touchscreen
- Languages: English, German, French, Italian, Spanish, Portuguese, Russian, Polish, Hungarian, Greek, Turkish, Japanese, Chinese
- Adjustable buzzer level
- 5 preset customizable settings
- Lockable keypad buttons

### Power Sources

|                           |                      |
|---------------------------|----------------------|
| • AC                      | 100 to 240V, 50-60Hz |
| • DC                      | 12 to 15V            |
| • Power Save              | On/Off/Night         |
| • Hot swappable batteries | Up to 8 hours        |

### Controls

|   |                                |
|---|--------------------------------|
| • Flow: Up to 220 l/min (internal mixer) / 150 l/min (external mixer) |                                |
| • Tidal Volume  | 30 to 2,200 ml                 |
| • Breath Rate   | 1 to 99 BPM                    |
| • Manual Breath   | 0 to 3 sec                     |
| • Pressure Control  | 5 to 80 cmH <sub>2</sub> O     |
| • Volume Control  | Time/Flow                      |
| • Pressure Support  | 0 to 60 cmH <sub>2</sub> O     |
| • PSV flow termination  | 10% to 90%                     |
| • PEEP/CPAP   | 0 to 40 cmH <sub>2</sub> O     |
| • Pressure Trigger  | -20 to -0.1 cmH <sub>2</sub> O |
| • Flow Trigger  | 1 to 20 l/min                  |
| • Rise Profile  | 5 levels                       |
| • Inspiratory Time (Ti)   | 0.1 to 3 sec                   |
| • HFOT Flow   | 10 to 60 LPM                   |
| • FiO <sub>2</sub>  | 21% to 100%                    |
| • 2 min 100% O <sub>2</sub> delivery                                  |                                |

|                                  |                     |
|----------------------------------|---------------------|
| • Sigh                           | On/Off              |
| • Synchronized nebulizer*        | 5 to 60 min         |
| • Maneuvers                      |                     |
| • Altitude compensation          | Off, 500 to 4,500 m |
| • Automatic Purge circuit        | 60 to 300 sec       |
| • Customizable Apnea Ventilation |                     |

### B-Lev Controls (APRV)

|               |                            |
|---------------|----------------------------|
| • T high      | 1 to 15 sec                |
| • T low       | 0.5 to 5 sec               |
| • P high      | 3 to 60 cmH <sub>2</sub> O |
| • P low       | 0 to 40 cmH <sub>2</sub> O |
| • Inverse I:E | 30:1                       |

### Alarms

|  |                                |
|--|--------------------------------|
| • Alarm prioritization                 | 3 levels - Caution/Medium/High |
| • Apnea                                | 10 to 60 sec                   |
| • Battery                              | Low/Empty/Disconnection        |
| • Low/High Minute Volume               |                                |
| • Low/High Pressure                    |                                |
| • Low/High FiO <sub>2</sub>            |                                |
| • Low Vt <sub>i</sub> /Vt <sub>e</sub> |                                |
| • Check patient circuit                |                                |
| • O <sub>2</sub> sensor defective      |                                |
| • O <sub>2</sub> supply failed         |                                |
| • Low/High Breath Rate                 |                                |

### Monitors

|                                   |  |
|-----------------------------------|--|
| • Airway pressure LED Gauge       | -10 to 120 cmH <sub>2</sub> O                      |
| • Peak Inspiratory Pressure (PIP) | 0 to 120 cmH <sub>2</sub> O                        |
| • Inhaled/ Exhaled Tidal Volume   | 0 to 10 L  |
| • Inhaled/ Exhaled Minute Volume  | 0 to 99 l/min                                      |
| • Base / Mean Pressure            | 0 to 99 cmH <sub>2</sub> O                         |
| • Actual breath rate              | 0 to 99 BPM  |
| • FiO <sub>2</sub>                | 21% to 100%  |
| • I:E Ratio                       | 1:99 to 3:1  |
| • RSBI                            | 0 to 200 l/min x l                                 |
| • Waveforms                       | Pressure, Flow, Volume                             |
| • Loops                           | Pressure vs Volume, Flow vs Volume                 |
| • Trends                          | Breath rate, PIP, Vt <sub>e</sub> (up to 72 hours) |
| • Lung mechanics                  | P Plateau, Static compliance                       |

### Oxygen

|   |                                    |
|---|------------------------------------|
| • Optional O <sub>2</sub> mixer                 | Internal electronically controlled |
| • High Pressure/Low Flow Port                   | 35 to 90 psi / 0 to 15 l/min       |
| • Compatible with oxygen tanks and concentrator |                                    |

### Communication

|                               |                             |
|-------------------------------|-----------------------------|
| • 2 USB ports                 | Download logs, SW upgrade   |
| • 2 external RS232 connectors | Remote Alarm and Monitoring |
| • RJ 45 connector             |                             |

### Standards

|  |
|--|
| • IEC 60601-1, IEC 60601-1-2, IEC 60601-2-12, ISO 10651-2/3, EN 1789, IEC 60068-2-27/31/64, ISO 80601-2-12, EN 13718-1 |
|--|

\*HFOT and Nebulizer are not available in USA  
\*HFOT is available from SW version 5.33 and up



Your Partner in Ventilation

# Flight 60T<sup>®</sup>

Reliable Ventilation  
Across the Spectrum of Care



Flight Medical Innovations Ltd. manufactures, develops and markets life supporting respiratory ventilators for critical care and emergency environments, long term acute care facilities, homecare, transport, military, mass casualty and emergency preparedness.

# Flight 60T<sup>®</sup>

The Flight 60T is a fully independent, turbine-based, ventilator.

The worldwide deployed Flight 60T is both a volume-control and pressure-control ventilator for invasive and noninvasive ventilation, and also offers High Flow Oxygen Therapy (HFOT).

Cost effective, value driven solution for reliable ventilation, across the spectrum of care.



## Provides high quality mechanical ventilation in all clinical situations

- Adults and pediatric patients greater than 5 kg
- Pressure and volume control ventilation
- Basic and advanced modes
- Non-invasive and invasive ventilation

## A versatile ventilator with ICU – level expectations

- ICU modes: B-Lev, PRVC, Volume Guarantee
- Continuous monitoring of breathing parameters
- Flow or Pressure Trigger for optimum patient-machine synchrony
- Internal Mixer: Low flow and high pressure O<sub>2</sub>, 100% O<sub>2</sub> preset
- Customized apnea backup ventilation to keep patients' parameters
- Extensive alarms system
- Does not require connection to air inlet
- Lung mechanics

## LTAC and homecare

- Invasive and non-invasive ventilation
- The Flight 60T provides the tools needed to effectively ventilate your patients in any care environment
- The Flight 60T offers advanced weaning modes, preset quick ventilation options
- The Flight 60T's portability, along with long battery life, is the perfect solution when it comes to providing powerful ventilation
- Low flow oxygen inlet, no need to have high pressure oxygen source
- Splash-proof: Allows the patient to leave the ventilator near the shower
- Lockable screen to avoid any unattended action
- Ability to dim visual screen for night time patient comfort
- Mouthpiece ventilation capabilities

## When it is time for NIV, clinicians no longer need to switch devices

- Automatic leak compensation allows for effective and comfortable mask ventilation in a wide range of modes
- Pressure support in CPAP and BiPAP modes to provide ideal assistance
- Both Flow and Pressure Trigger options
- When moving between invasive and non-invasive therapies utilize the same equipment and same patient circuit
- Integrated and compensated nebulizer (Not available in USA)
- High Flow Oxygen Therapy (HFOT) provides non-invasive respiratory support that improves oxygenation while also reducing work of breathing (not available in USA)

## Transport and EMS

- Whether it is critical care transport outside the hospital, emergency preparedness or mass casualty response, the Flight 60 provides a sturdy and reliable solution for all levels of required ventilation. Its autonomous platform allows caregivers to treat patients in any environment, while conserving oxygen and power.
- Move the patient on all ventilation modes
- Autonomous: 8 hours of independent ventilation plus hot swappable battery
- Any power source, in flight certification
- Five Preset modes: Allows clinicians to focus their attention on the patient and reduces time to make the right clinical decision

## Ease of operation

- 7" color touch screen clearly visible even outside in bright daylight or with fluorescent lighting
- All parameters and alarms displayed on one screen
- Intuitive user interface requires minimum training
- Curves and loops
- 72 hours of trends
- Adjustable alarms
- Downloadable event logs
- Customizable configurations