



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

COC - Continuity of Care



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

Piston 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 |
| Synchronized Nebulizer | ON/OFF |
| Nebulization Period | OFF, 5 to 60 min |
| 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 |

| 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 |

* 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.