

# Inspiration<sup>®</sup> 7i Ventilator Flagship Configuration



## Features

- Low cost of ownership
- High performance PSOL and active exhalation
- Comprehensive graphics and trending with event markers
- Neonate through adult
- Invasive and noninvasive
- Feedback-controlled NCPAP and NCPAP+
- Intra-hospital patient transport
- Intranet and Internet remote viewing
- Outstanding Heliox Management
- 2ml Tidal Volume
- Capnography ready



Optional Internal Compressor

## Inspiration® 7i Ventilator

### Modes of Ventilation

- Assisted Control Mandatory Ventilation (CMV)
- Synchronized Intermittent Mandatory Ventilation (SIMV)
- Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP)

### Breath Types

Volume-controlled	(V-CMV; V-SIMV)
Pressure-controlled	(P-CMV; P-SIMV, PS)
Volume Targeted Pressure-controlled	(PRVC-CMV; PRVC-SIMV, VS)
Dual Level PEEP	(SPAP)

### Breath Triggering

Pressure triggering	0.5 - 20 cmH <sub>2</sub> O
Flow triggering	0.1 - 25 lpm

### Additional Settings

Respiratory rate	0 - 150 bpm
Tidal volume	2 - 2000 ml*
PEEP / CPAP	0 - 50 cmH <sub>2</sub> O
Pcontrol	2 - 90 cmH <sub>2</sub> O*
Psupport	0 - 90 cmH <sub>2</sub> O
Peak flow (mandatory)	1 - 120 lpm*
Peak flow (spontaneous)	Up to 180 lpm*
I-Times	0.1 - 10 sec
Oxygen concentration	21 - 100%
Rise time settings	1 - 20
Exhalation sensitivity %	10 - 80% (spontaneous peak flow)
Base Flow (with leak comp off)	2.5 - 25 lpm
Plateau (insp pause)	0 - 42 sec (0 - 70%)
PS Tmax	0.15 - 5.0 sec*

### Additional Features

- Work of Breathing, Imposed
- Reference Loop Save Feature
- Maneuvers: P0.1 and PiMax
- Auto Control
- Apnea Backup Ventilation
- SPAP Philosophy Options: Time, Cycle + Time, Cycle + I:E
- IBW Calculator
- NIV On/Off in all Modes
- Active Exhalation Valve
- Automatic Leak Compensation (up to 60 lpm)
- User defined flow sensor position
  - Proximally at the circuit Wye
  - Distally at the Expiratory Port

### Advanced Software Features (Included)

- Volumetric Capnography (VCO<sub>2</sub>)
- Time Based Capnography (ETCO<sub>2</sub>)
- Tube Compensation
- Spontaneous Breathing Trial (SBT Mode)
- Suction Support
- Recruitment Maneuver Tools
  - Pressure Slow Inflation / Deflation Maneuver
  - Volume Slow Inflation / Deflation Maneuver
  - Step Tool

### User Initiated Functions

Manual inspiration	Inspiratory and expiratory
Alarm silence	breath holds
100% Oxygen* (+20% Oxygen (Neonate))	Standby

### User Configurable Graphic User Interface (GUI) and Functions

- Multiple Easy View Tabs (Home, Settings, Alarms, Maneuver and Configuration)
- Manual & Automatic Time Based Event Markers
- Graphics Display 3 (waveforms, Loops, Data, Trends, Trends Tabs and Event Markers)
- Apnea Back-up
- Smart Nebulizer \*
- Smart Sigh
- Humidification Selection (HME, Humidifier, and None)
- Heliox 0 - 80%\*
- EtCO<sub>2</sub> Graphics Display 2 loops, 3 waveforms
- PaCO<sub>2</sub> Time Stamp Entry
- User Defined Custom Default Settings

### Monitored / Displayed Data

- Delivered oxygen concentrations: 21 - 100%
- Trend Data (1-72 hrs.) (46 trend parameters)
- Monitoring Data (53 monitored parameters):

Basic	Advanced	Mechanics	ETCO <sub>2</sub>
- Ppeak	- Ti	- Auto PEEP	- PetCO <sub>2</sub>
- Ptrach	- Te	- Pplateau	- VCO <sub>2</sub> /min
- Pmean	- PF	- RSBI	- VtiCO <sub>2</sub>
- PEEP	- PFe	- C20 / C	- VteCO <sub>2</sub>
- Pmin	- I:E	- RCe	- FetCO <sub>2</sub>
- Vti + Vti/kg	- H:L	- Cstat + Cstat/kg	- Vd ana
- Vte + Vte/kg	- Ti / Ttot	- Cdyn + Cdyn/kg	- Vd alv
- Exp Min Vol (Ve)	- Leak rate	- WOBimp	- Vd/Vt
- Ve/kg	- FiO <sub>2</sub>	- Rinsp + Rexp	- Valv
- Ve Spont	- HeO <sub>2</sub>	- P0.1	- Valv/min
- Respiratory rate	- Spont % 1h	- PiMax	- PeCO <sub>2</sub>
- Rate Spont	- Spont % 8h	- P0.1 / PiMax	- FeCO <sub>2</sub>

### Real Time Graphics

- Flow Volume loop
- Pressure Volume loop
- Pressure Flow loop
- Volume + time
- Flow + time
- Pressure + time

### EtCO<sub>2</sub> Real Time Graphics

- PCO<sub>2</sub> Volume loop
- FCO<sub>2</sub> Volume loop
- PCO<sub>2</sub> + time
- FCO<sub>2</sub> + time
- VteCO<sub>2</sub> + time

### Prioritized Alarms (High, Medium and Low)

- Auto set alarm feature & 1000 Event log

### Communication Interfaces

- Ethernet and Nurse call, RS232
- Integrated CliniNet® Server with SNMP
- CliniNet® Virtual Report (Optional Remote Viewing System Software)

### Physical Data

- AC power: 100 - 240 VAC (50/60Hz)
- Internal and Optional External Battery
- Screen: LCD 17 / Tilttable and Rotatable Touch Screen
- Internal compressor (Optional)
- Integrated Cart
- Battery backup on compressor < 120 min, off compressor > 120min
- Gas supply: 2 - 6 Bar

### Ordering Information

- Model F7300000-7i-F : Inspiration 7i Ventilator 17 Screen Flagship Model
- Model F7300000-7i-F-NC : Inspiration 7i Ventilator 17 Screen Flagship Model without internal compressor

\* Patient Type Dependent  
Specifications subject to change.