FLEXIMAG LUNG VENTILATOR
THE COMPLETE SOLUTION TO ICU ROOMS

FLEXIMAG

Ventilate neonate, pediatric and adult patients.

MAGNAMED REMOTE ASSISTANCE (ARM)
TECHNOLOGY MAKES DIFFERENCE

Registration MS: 80659160003
NBR IEC 60601-1-2:2006; NBR IEC 60601-1:1997; NBR IEC 60601-2-12:2004
Degree of protection IPX1

Innovation within your reach
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MAGNAMED

Phisical Characteristics
0.4 or 15 Inch LCD Color Touch Screen Display
Serial Interface RS 232
Keys: stand by; Hold Insp; Hold Exp; O2 100%; Manual Insp; Lock
Measurement of: pressure, flow, concentration of oxygen in the breathing circuit. Barometric and pipeline pressure measurement
Loudspeaker to indicate alarms and alerts
External Inlet 100-240VAC – 50/60Hz
On-Off button
Galvanic O2 Sensor (paramagnetic sensor is optional)
Distal Flow Sensor (Hot Wire)
Last Adjustments Start Up
Nebulizer Sincronized with Inspiration and Volume Compensation
Traqueal Gas Insuflation (TGI)
100% O2 to automatic system of a spiration
Automatic gas commutation in case of fault of oxygen or air compressed
Automatic Adjustment of Parameters According Patient Weight
Trend

Modalities
VCV, PCV, PLV (can be assisted); V-SIMV+PS; P-SIMV+PS; DUALPAP/ APRV; CPAP/PS +NIV + backup; PRVC

Adjustments Specifications Parameter
Tidal Volume: 10 to 3000ml
Respiratory Frequency: 0 to 180bpm
Rise Time: 0 to 2.0s
Pause: 10 to 30s
Inspiratory Pressure: 0 to 120cmH2O
ΔPS - Pressure Support: 0 to 120cmH2O
PEEP: 0 to 50cmH2O
Pressure Trigger: 0.0 to -20cmH2O
Flow Trigger: 0.0 to 30L/min
Cycling PS: 5 to 80%
FIO2: 21 to 100%
Inspiratory Time: 0.05 to 30s
Inspiratory Flow Wave: Square, Decelerate, Accelerate, Sine
CPAP: 1 to 50cmH2O
Pressure High: 1 to 60cmH2O
Pressure Low: 0 to 40cmH2O
Time High: 0.2 to 59.8s
Time Low: 0.2 to 59.8s
I:E Ratio: 1:599 to 10:1
Backup Ventilation: in all spontaneous modalities
Inspiratory Flow: 0 to 180L/min
Nebulizer: synchronized during inspiratory time 5 to 8 L/min
Tracheal Gas Insufflation (TGI) – deliver O2 100% during expiratory time

Ventilation Monitor
Curves Pressure x Time; Flow x Time; Volume x Time
Loops: Volume x Pressure; Flow x Volume
Bargraph of Instantaneous Pressure; Plateau Pressure, Peak Pressure
Visualization of until 5 curves in the same time
Peak Pressure, Mean Pressure and Plateau (numeric values)
PEEP and Intrinsic PEEP
Inspiratory and Expiratory Volume
Minute Volume and Spontaneous Volume
Compliance Static and Dynamic
Air way resistance
Inspiratory and Expiratory Time
I:E Ratio
Respiratory Frequency Total and Spontaneous
FIO2

Alarm System and Safety
Initial Auto Test
Leakage test
Automatic calibration
Anti-asphyxiation Valve
Safety Relief Valve 100hPa
Alarm Indicator Light (LED) with High Viewing
HIGH/LOW Pressure: OFF, 0 to 120cmH2O
HIGH/LOW PEEP: OFF , 0 to 80cmH2O
HIGH/LOW Volume: OFF, 0 to 3000ml
HIGH/LOW Respiratory Frequency: OFF, 0 to 200bpm
HIGH/LOW Minute Volume: OFF, 0 to 99L/min
FIO2: OFF; 21 to 100%
Apnea: OFF; 5 to 60s
Automatic Adjustment of Alarms: OFF; 10% , 20% , 30%
Low Battery
Air/ O2 Low Pressure alarm
Disconnection/Obstruction of Respiratory Circuit
AC Input Fail

Internal Battery Li-Ion
Internal Li-Ion Battery 11.8Vdc; Intelligent Battery Charger
Internal Battery Autonomy: 180min

Connection to Oxygen Supply
Oxygen Inlet – DISS male 9/16” 18 threads
Oxygen Gas Pressure: 40 to 150PSI (280 to 1035 Kpa)
Hoses and Connections according ISO 5359:2000

Environmental and Physical Specifications
Dimension: 1335mm X 453mm X 542mm
Weight: 18Kg
Operation: Temperature: -10 to 50°C; Barometric Pressure: 600 to 1100cmH2O; Relative Humidity (no condensation): 15 to 95%

Standard Accessories
Trolley with wheels and front lock
Articulated Arm with Support
Flow Sensor (hot wire)
Silicone Respiratory Circuit Adult
AC Power Cable
Flow sensor cable
Oxygen Hose DISS X2 – 3m
Air compressed Hose DISS X2 – 3m
Instruction Manual
Galvanic Oxygen Sensor (built in)

Optional Accessories
Paramagnetic Oxygen Sensor
Humidifier
Silicone Respiratory Circuit Pediatric
Silicone Respiratory Circuit Neonate