

LifePro 8 Intensive Care Ventilator



MDX delivers LifePro 8 ICU treatment ventilator, very stable performance, safe and reliable, Can be widely used in emergency, ICU room, operation room and internal medicine etc.

Features

- 12.1 inch TFT color screen , big screen could show more information.
- Screen could be rotated freely, suitable to operate in any angle and height
- With heater device to prevent water into ventilator
- Could show Paw-t, Flow-t, Volume-t, Paw-V, Flow-V five waveform at the same time, also could show one or several waveform according to our operation.
- Curve size ,time scale, pressure-flow ratio adjustable, watch the details more good.
- Curve pause function, could watch details.
- Flow, pressure two trigger function, could effect at a same time.
- Automatically inspiratory synchronous nebulizing function, nebulizing time adjustable, 100% Oxygen inspiratory function, oxygen inspiratory time is adjustable.
- High, medium, low- grade alarm function;
- Alarm record functions, could record the last 100 pieces of information, show alarm grade, alarm time and the alarm parameter.
- Pressure, volume, time respiratory mode security, could inspect pressure in inspiratory phase, volume, time exceed the regulated value, turn into expiratory, ensure patient safety.
- Volume security function, keep the minimum tidal volume in pressure mode.
- Adjust MMV function automatic, adjust inspiratory pressure and breathing frequency, approaching the target tidal volume and minute ventilator.
- VGA connector could output the screen signal to other screen



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LifePro 8
Intensive Care Ventilator



Specification

Operating Modes

- Volume Control Ventilation (VCV)
- Assisted/Controlled Pressure Control Ventilation (PCV),
- Assisted/Controlled Pressure Support Ventilation (PSV),
- SIMV(VCV)+PSV
- SIMV(PCV)+PSV
- Mandatory Minute Ventilation (MMV)
- Continuous Positive Airway Pressure (CPAP)
- Backup apnea ventilation

Parameter

- Application scope: Pediatric and adult
- Driven mode: pneumatically driven and electronically controlled
- Display: 12.1 TFT screen
- Working mode: Pressure and volume
- Ventilation wave type: square wave, deceleration wave
- FiO2: 21% to 100%
- PEEP/CPAP: 0 to 40 cmH2O
- Inspiratory Sensitivity:
 - Flow triggered: 0.5 to 20 L/min, OFF
 - Pressure triggered: -1 to -20 cmH2O, OFF
- Tidal Volume: 20 to 2000 mL
- Breath frequency: 1 to 100 bpm
- I:E Ratio: 5.0 : 1 to 1 : 5.0
- Inspiratory plateau: 0 to 50%
- Inspiratory Flow Wave Shape(VCV):
 - Rectangular wave and Decelerating wave
- SIGH: 1.0 to 2.0
- Breath frequency(SIMV): 2 to 40bpm
- Inspiratory time (SIMV): 0.1 to 12 S
- Pressure Support Ventilation (PSV): 0 to 40 cmH2O
- Expiratory Sensitivity for PSV : 10% to 75% of the initial flow
- Maximum Inspiratory time (PSV): 1.0 to 8.0 S
- Pressure Control Ventilation(PCV): 0 to 40 cmH2O
- Minimum Tidal Volume(PCV and PSV): 50 to 1500 mL
- Backup Rate (PSV): 2 to 40 bpm
- Object Tidal Volume(MMV): 20 to 2000 mL
- Ventilation volume(MMV): 0.5 to 40.0 L/min
- Nebulizer time: 30 minutes

Monitoring

- Breathing wave: Pressure vs time curve, Flow vs time curve, Volume vs time curve, Pressure vs volume loops, Flow vs volume loops
- Expiratory tidal volume,
- Breath frequency(bpm),
- PEEP, FiO2, MV
- Inspiratory Tidal volume(TV_Ins):
- I:E ratio:
- Freq_indepen:
- MV_indepen:
- Pmean
- Pflat,
- Airway Pressure
- Ppeak,
- Minute Ventilation,
- Oxygen concentration

Alarms

- High tidal volume alarm
- Low tidal volume alarm
- High minute ventilation alarm
- Low minute ventilation alarm
- High breathing frequency alarm
- Low breathing frequency alarm
- High peak pressure alarm
- Low peak pressure alarm
- High PEEP pressure alarm
- Low PEEP pressure alarm
- High oxygen concentration alarm
- Low oxygen concentration alarm
- Apnea alarm
- AC power fail alarm
- Air source Low pressure alarm
- Oxygen source low pressure alarm
- Battery disconnect alarm
- Low battery alarm
- Circle leakage alarm
- Circle block alarm

POWER REQUIREMENT

- Main power: from 85 to 265VAC 47-63HZ
- AC/DC switch automatically
- Internal battery: 12VDC,7AH
- Automatic recharge.
- Estimated duration: more than 2 hours when completely charged.
- The display shows an icon with the charge level.

PNEUMATIC REQUIREMENT

- Oxygen: pressure 2.8 to 6 bar ISO5359 connector
- Air: pressure 2.8 to 6 bar ISO 5359 connector

The main configuration include main unit, humidifier, trolley, nebulizer, pressure sample tube, hanged arm, power cable, corrugated pipeline, Buckle, test lung, water trap, bacteria filter, three way connector, small soft silicon pipeline, direct connector, mask, air&oxygen source pipeline, screw, etc.

The medical air compressor is optional.



Screen could be rotated freely, convenience for doctor to operate,



Air compressor BC100 (Optional)

Feature:

- Low noise medical air Compressor, very stable performance, safe and reliable,
- Air Compressor with LCD screen to display output pressure, provide safe, secure and permanent motivation
- Compact design and easy to transfer
- Assembled with clean control module, supplying cleaner and safer air to the patients
- Effective sound-absorbing materials
- Match with various ventilator of international standard in the world

Specification

- Output gas flow: ≥40L/min
- Output gas pressure: 0.3-0.4Mpa, Adjustable
- Output gas filter accuracy: 0.03μm
- Air compressor pump: 1 set
- Efficient rate for particle filtration: 99%
- Dew point of output gas: 0-10 , Dried output gas
- Noise: 52dB(A)
- Power supply: 220V±15% ,50HZ or 110V±15%,60HZ
- Power: 800W
- Working Environment: Temperature 0-40°C
- Humidity 90RH

