

# Spencer 190 NXT Lung ventilator



Electronic lung ventilator for non-invasive ventilation of adult and pediatric patients.

### Specific features

- Protection against accidental activation of the AIR MIX selection lever
- Color coded manometer for an easy identification of pressure ranges
- The positioning of input and output ports on the side of the device, makes connecting and disconnecting easier and offers greater protection to the elements connected to the device
- Control knobs on high contrast background for a better identification of the set values
- The aluminum frame is compact and allows extreme reduction of weights
- The placing and the shape of adjustment knobs make the setting of parameters easier in all operative conditions
- Constant I/E ratio
- Alarms for ventilation monitoring and device management
- Led bar for monitoring of breaths
- Three ventilation modes:  
 CMV: A mandatory inflation is initiated according to the set parameters  
 TVM: An inflation is initiated according to the set parameters only if triggered by the patient  
 A/CV: The inflation is assured to be initiated at intervals determined by the set rate, unless initiated by an earlier patient-trigger event

### Reference standards

- EN 794-3
- EN 1789
- EN 60601-1
- EN 60601-1-2
- EN 60601-1-8
- UN/ECE Regulation 10 – Approval number E24 10R-041974

### Standard equipment

- Patient circuit
- Face mask
- O<sub>2</sub> Connection tube

### Optional accessories

- AC/DC adapter 100/240 VAC 50-60Hz.

### Technical data

Materials	Al, Steel, Brass, PE
Dimensions	330x177x210 ± 20 mm
Weight	3,65 ± 0,2 kg
Allarms	High pressure – Low pressure – Apnea – Pneumatic supply – Low battery
Alarms sound press. level	80 ± 10db
Audio mute time	100 s
Frequency	From 5 to 40 bpm
Flow	From 2 to 20 L/min
Trigger	From -2 to -12 mbar
Overpressure valve adjustment	From 20 to 60 cmH <sub>2</sub> O
I/E Ratio	1:2
O <sub>2</sub> Concentration	60% or 100%
Manometer	From -20 to +80 mbar
Pneumatic connection standard	UNI
IP protection	IP24
Classification	Class II or internally powered
Power supply	External by 12V cigarette lighter or approved AC/DC adapter 100/240VAC 50-60Hz (Optional). Internal rechargeable battery Ni-Mh
Battery operating time	About 3 hours
Applied part	Type BF
Pneumatic supply	From 280 to 600 kPa
Non-rebreathing valve	60cmH <sub>2</sub> O

Note: The product may partially differ from the above specifications without compromising the compliance with the applied reference standards.

Class IIb Med.Device according to Dir. 93/42/CEE

SPENCER 190 NXT ELECTR. PULM. VENT. ENG PAN.  
EV01190/NB



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