# 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:<br>CMV: A mandatory inflation is initiated according to the set parameters<br>TVM: An inflation is initiated according to the set parameters only if triggered by the patient<br>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 |
| $O_2$ 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 $cmH_2O$ |
| I/E Ratio | 1:2 |
| $O_2$ 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).<br>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 | 60$cmH_2O$ |

**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**

CE 0123