

SPENCER 190

Electronic pulmonary ventilator



Spencer 190 is a pulmonary ventilator of the latest generation, with a one stroke cycle, limited to pressure and controlled by a powerful micro-processor. It guarantees flowing pressure, respiratory frequency and constant fraction of inspired oxygen, independent from the insufflation pressure.

The respiratory act is completely monitored. When ABS is inserted the form of the luminous wave allows easy synchronisation of the instrument with the patient. The safety of the patient is guaranteed by monitoring systems and alarms of the airway pressure, power pressure and apnea. The compact structure, limited weight, simplicity of regulation and control of the parameters, the incorporated visual and acoustic security devices allow safe use even by untrained lay people.

The control instruments are designed in such a way as to allow clear and immediate reading. Complete with:

- PVC patient circuit tube
- Spencer Mask size 4
- non-rebreathing valve

Ventilation mode:

Controlled – assisted - assisted/controlled (ABS)

Electronic security overpressure:

adults: 55 mbar / children: 25 mbar

Alarms:

maximum pressure, minimum pressure, apnea, battery, medical gas

Luminous indications:

spontaneous inhalation and ventilation mode

Reset alarms: 30 sec

LED test / Digital keys

Technical characteristics

Drive	microprocessor
Frequency	from 5 to 40 BpM
Capacity	from 2 to 20 L/min
I/E connection	1/2
Sensitivity trigger	from 0 to -20 cm H ₂ O
H ₂ O concentr.	from 60 to 100%
Security valve	from 15 to 70 cm H ₂ O
Med. gas power	3,5 kg/cm ± 0,5
Battery duration	around 3 hours
Patient circuit	corrugated tube
Non-breathing v.	autoclavable
Vacuum manom.	from -20 to +70 cm H ₂ O
External power	12 Vdc
Internal power	12 Vdc
Structure	varnished aluminium with epoxy powder
Panel	permanent polycarbonate
Dimensions	330x175xh180 mm
Weight	4,8 kg

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