	Spencer 170 NXT	Spencer 190 NXT	Spencer 118 NXT
Product code	EV01170/NB	EV01190/NB	EV21118B
Dimensions (mm)	270 x 177 x 210 mm	330 x 177 x 210 mm	270 x 177 x 210 mm
Weight (kg)	3.44	3.65	3.84
Operation	Electronic	Electronic	Pneumatic
Pneumatic supply	From 2.8 to 6 bar	From 2.8 to 6 bar	From 2.8 to 6 bar
Patients (Adult, Paediatric)	A, P	A, P	A, P
Pneumatic connection	UNI	UNI	UNI
Power supply	12 V, Power adapter 220 V, Ni-Mh battery	12 V, Power adapter 220 V, Ni-Mh battery	/
Battery autonomy	About 3 hours	About 3 hours	/
Frequency (BpM)	From 5 to 40	From 5 to 40	From 10 to 70
Volume minute (l/min)	From 2 to 20	From 2 to 20	From 2 to 20
I:E Ratio	1:2	1:2	Linearly variable from 1:2.0 ± 0.3 at 10 bpm to 1:1.5 ± 0.3 at 70 bpm
Overpressure valve adjustment (cmH$_2$O)	From 20 to 60 cmH$_2$O	From 20 to 60 cmH$_2$O	From 20 to 60 cmH$_2$O
Trigger (mbar)	/	From -12 to -2 mbar	/
O$_2$ Concentration	60% or 100%	60% or 100%	80% or 100%
Manometer	Analogic	Analogic	Analogic
Manovacuometer scale (mbar)	From -20 to +80 mbar	From -20 to +80 mbar	From -20 to +80 mbar
Display	NO	Led to monitor breathing time	NO
Alarms	High pressure (A+V)	High pressure (A+V)	High pressure (A+V)
	/	Low pressure (A+V)	/
	Gas supply (A+V)	Gas supply (A+V)	Pneumatic supply (V)
	Low battery and very low battery (A+V)	Low battery (A+V)	/
		Apnea (A+V)(Only TVM mode)	/
Ventilation modes	CMV	CMV, A/CV, TVM	CMV
IP Protection	IP44	IP44	/
Other information	On charge, Externally powered, Failure and/or internal battery anomaly, other failures	On charge, Externally powered, Failure and/or internal battery anomaly, other failures	/

Are you aware of all legislations applicable to lung ventilators?

NXT Series have been designed in compliance with all relevant norms and regulations

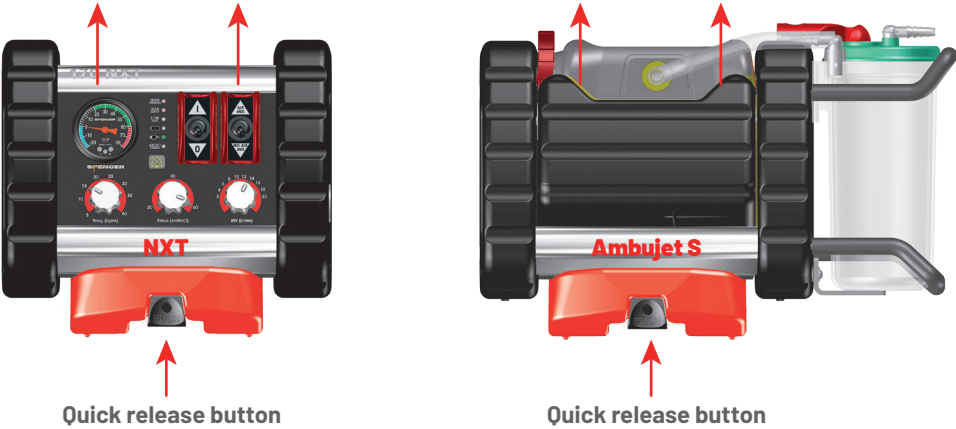|	Spencer 170 NXT	Spencer 190 NXT	Spencer 118 NXT
Optional fastener	•	•	•
EN 1789	•	•	•
EN 794-3	•	•	•
ISO 5356-1	•	•	•
EN 60601-1	•	•	NA
Applied part	BF	BF	NA
Derived standards			
EN 60601-1-2	•	•	NA
EN 60601-1-6	•	•	NA
EN 60601-1-8	•	•	NA
EN 62366	•	•	•
AUTOMOTIVE (ECE REGULATION 10)	•	•	NA

NXT 10 G FASTENERS
Modular system for ventilation devices and suction units

Their shape is designed to allow easy and quick placing of the lung ventilator on the fastener. The quick release button on the front side is easy to operate. Thanks to the perfect integration between the fastener and the lung ventilator, the overall dimensions remain almost identical to those of the lung ventilator itself, with the height increased only by a few centimeters. Easy to install inside the emergency vehicle.

NXT MAX P
10 G fastener/charger
for NXT lung ventilators
EV50121B
EV50120B (without charger)

NXT MAX WALL
10 G wall fastener
for NXT lung ventilators
EV50122B

Two types of fixing

Wall mount

Mount for surface

Quick release button

Quick release button

All NXT fasteners are compatible with AMBUJET S suction unit

The value of a choice is measured in the future.

NXT the unbreakable series
Introducing the ultimate expression of Spencer's efficiency, design and innovation.

spencer.it

SPENCER®

170 NXT
Compact electronic ventilator

Protected AIR MIX and ON/OFF selection levers, colour coded manometers, lateral positioning of input and output ports, compact and lightweight aluminium frame. Used for both adult and paediatric patients. The presence of one ventilation mode makes it simple and easy to operate.

Ventilation mode
CMV A mandatory inflation is initiated according to the parameters set.

Unique features
- Lever button (mechanical switch)
- The most compact of its category
- Two alarm levels for low battery

Standard equipment
- Patient circuit
- Face mask
- O$_2$ connection tube

Optional accessories
- AC/DC adapter 100/240 VAC 50-60 Hz
- 10 G Fasteners (EV50121B, EV50120B, EV50122B)

HDPE shock-absorbent **protective shell**

Special protections against accidental activation of the **AIR MIX** selection lever

Built-in connections for full protection bump

Easy access to fuses and rapid substitution of the battery with a coin

Visual and acoustic alarms for ventilation monitoring and device management

10 G

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190 NXT
Advanced electronic ventilator

Compared to 170 NXT, Spencer 190 NXT has more advanced ventilation options and features a LED bar for monitoring of breathing. It also integrates the trigger function, which starts a new inflation only on patient demand, according to the ventilation mode in use. Can be used for both adult and paediatric patients.

Unique features
- LED display for ventilation monitoring
- Trigger function with adjustable vacuum level
- Three ventilation modes
- Touch button
- One alarm level for low battery

Ventilation modes
CMV a mandatory inflation is initiated according to the parameters set.
TVM Inflation is initiated according to the parameters set only if triggered by the patient.
A/CV Inflation is initiated at intervals determined by the rate set, unless initiated by an earlier patient-trigger event.

Standard equipment
- Patient circuit
- Face mask
- O$_2$ connection tube

Optional accessories
- AC/DC adapter 100/240 VAC 50-60 Hz
- 10 G Fasteners (EV50121B, EV50120B, EV50122B)

LED display for continuous ventilation monitoring

Built-in connections for full protection bump

Easy access to fuses and rapid substitution of the battery with a coin

Visual and acoustic alarms for ventilation monitoring and device management

10 G

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118 NXT
Pneumatic ventilator

The pneumatic operation mode allows a significant reduction of maintenance costs associated with the requirements of electrical safety regulations.
It can be used in all extreme emergency situations as no electrical supply is needed. The non-constant I/E ratio makes the management of the ventilation more versatile.
The presence of one ventilation mode (controlled) makes it simple and easy to operate.
Used for both adult and paediatric patients.
Reduced weight thanks to the aluminium framework.

Unique features
- Totally pneumatic (operates without power supply)
- Acoustic alarm activated by pneumatic system

Standard equipment
- Patient circuit
- Face mask
- O$_2$ connection tube

Optional accessories
- 10 G Fasteners (EV50120B, EV50122B)

Pneumatic, visual and acoustic alarms for ventilation monitoring and device management

Colour coded manometer allows immediate visualization of the pressure

HDPE shock-absorbent **protective shell**

Special protections to avoid accidental activation of the **AIR MIX** selection lever

10 G