

VECTOR *et* CPAP



VECTOR *et* Fixed CPAP Machine

The VECTOR *et* CPAP is intended for treating obstructive sleep apnea. Besides the CPAP mode, the device also provides the FLEXLINE mode. The pressure increase during inspiration and pressure decrease during expiration, which is proportional to the patient flow.

To generate the necessary pressure, the device is provided with an electronically controlled blower. In order to keep the stress for the patient as low as possible, the blower has been designed with a high reserve capacity and a quick control response. The pressure is measured directly in the mask and constantly controlled by the device. Consequently, the breathing work for the patient is as easy as possible.

In addition to the mask alarm, the device offers another safety function, the power failure alarm. It automatically restarts the motor after power restoration. A quartz alarm clock further adds to the comfort when using the device. Further comfort functions include a soft start ramp, the automatic start-stop function and the adjustable display brightness.

While passing through the device, the air is heated a little, so that it has a higher water absorbency. When indoor air is dry in winter, the mucous membranes in mouth and nose may become particularly dry. For that reason, a therapy might require air humidification.

Technical Data

Dimensions (w x d x h)	230 x 212 x 107 mm
Mass	approx. 2,0 kg
Power supply	100 V ~...240 V ~, 50...60 Hz 24 V DC / 2,1 A
Pressure rang	4 ... 20 hPa (mbar)
Max. limit pressure in the event of an error	< 30 hPa (due to engineering)
Power consumption (24 V DC)	Maximum 50 W Standby < 5 W at 8 hPa (without humidifierr) 10 W at 28 hPa (with humidifier, level 5) 30 W
Power consumption (power supply)	Maximum 50 W Standby < 5 W at 10 hPa (without humidifier) 12 W at 12 hPa (with humidifier, level 5) 33 W
Short time pressure variance at	10 bpm = ± 0,10 hPa

4 hPa	15 bpm = ± 0,19 hPa 20 bpm = ± 0,28 hPa
Short time pressure variance at 8 hPa	10 bpm = ± 0,10 hPa 15 bpm = ± 0,19 hPa 20 bpm = ± 0,28 hPa
Short time pressure variance at 12 hPa	10 bpm = ± 0,10 hPa 15 bpm = ± 0,19 hPa 20 bpm = ± 0,28 hPa
Short time pressure variance at 16 hPa	10 bpm = ± 0,10 hPa 15 bpm = ± 0,19 hPa 20 bpm = ± 0,28 hPa
Short time pressure variance at 20 hPa	10 bpm = ± 0,10 hPa 15 bpm = ± 0,19 hPa 20 bpm = ± 0,28 hPa
Values determined with and without AquaDROP et	
Long time pressure variance	< 0,3 hPa
Long time pressure variance	0,5 hPa
Average noise level	< 25 dB(A) bei 10 hPa Operation in a distance of 1 m (corresponds to an acoustic power level of 34 dB(A))
Air delivery volume	> 170 l/min at 4 hPa therapy pressure > 160 l/min at 8 hPa therapy pressure > 150 l/min at 12 hPa therapy pressure > 130 l/min at 16 hPa therapy pressure > 120 l/min at 20 hPa therapy pressure
Operating temperature	+ 5 °C ... + 40 °C
Storage temperature	- 20 °C ... + 70 °C
Air humidity	15 ... 95 % rel. air humidity (operation and storage)
Operating altitude	- 400 m ... 3500 m (1060 hPa ... 700 hPa)
Filtration efficiency up to 1 µm	99,5 %
CE-mark	according to EC Directive 93/42/EEC
Product class according to the MDD	IIa

The technical specifications are subject to technical modification.