

Technical Data

TREND II

Dimensions (w x l x h)	215 mm x 195 mm x 105 mm
Mass	2.3 kg
Power supply	100 V - 240 V AC, 50 - 60 Hz or 24 V DC / 2.1 A
Pressure range	4 - 20 hPa (mbar)
Pressure variation	< 0.3 hPa according to DIN EN ISO 17510-1
Noise level	< 26 dB(A) at 10 hPa according to DIN EN ISO 17510-1

Mode / Device	CPAP	AUTO	BILEVEL	BILEVEL T	S
CPAP	•	•	•	•	
APAP	—	•	—	—	
FLEXLINE	•	•	—	—	
BILEVEL S	—	—	•	•	
BILEVEL T	—	—	—	•	
BILEVEL ST	—	—	—	•	

Functions

Languages	eng, deu, fra, ita, plk, nld, spa (further on request)
Counters	Stand by time, turbine running time, therapy time, filter age
Constant display	Pressure value, bargraph, date, time, softstart ramp, alarm clock-state
Additional functions	Start-stop-automatic, softstart ramp, leakage test, leakage alarm, power failure alarm, automatic turbine start after power failure, date-, time and wake-up function

AquaTREND uni

Dimensions (w/l/h)	110 mm x 150 mm x 125 mm
Mass	approx. 350 g (without water)
Power supply	24 V DC
Power consumption	0 - 20 W
Heating steps	1 - 5
Max. filling capacity	300 ml

Classification	Protective class II, Typ BF according to DIN EN 60601-1
Conformity	CE-mark according to EG-directives 93/42/EWG, concerning medical devices, class MPG IIa DIN EN 60601-1 „General provisions for the safety of medical devices“ and DIN EN 60601-1-2 „Supplement: electromagnetic compatibility, requirements and testing“

TREND II

Accessories



AquaTREND uni, the optional therapy air humidifier is able to be inserted quickly with only one click onto the entire device series. Easy cleaning and a large fill volume (300 ml) increases the user friendliness. An ingenious air-guidance system prevents water from the humidifier permeating the therapy device.



An easy to replace three-layers filter which effectively filters the majority of pollen and air pollutants, is a further highlight of the device series.



The modern device case offers ample space for the device itself and the accessories. Another highlight of the case is the option of attaching it to a trolley. In doing so it becomes a light travel companion and rounds off the whole image of the device.



TRENDremote is for the cabled handling of respiration therapy devices from HOFFRICHTER GmbH. With TRENDremote the sleep laboratory staff can change the running therapy without being next to the therapy device.



TRENDinterface is intended for conversion of digital signals from the respiration therapy devices of HOFFRICHTER GmbH into analogue signals and their transfer to polysomnography systems. Additionally the communication between the respiratory therapy device and a PC with evaluation software or a remote control shall be warranted.



DATA box for easy data exchange with the physician. By connecting a pulse oximeter the values for the oxygen saturation of the patient can be recorded and stored.

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Sales:



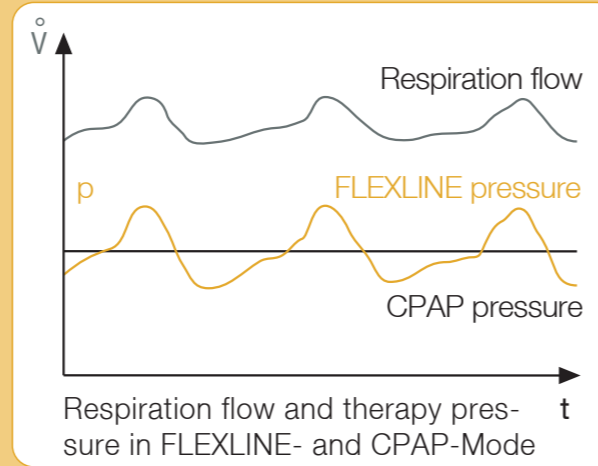
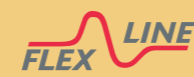
TREND II



- 4 device types with a total of 6 therapy modes
- Extrem low noise level
- Meaningfull comfort functios
- Easy handling
- High class materials and noble design

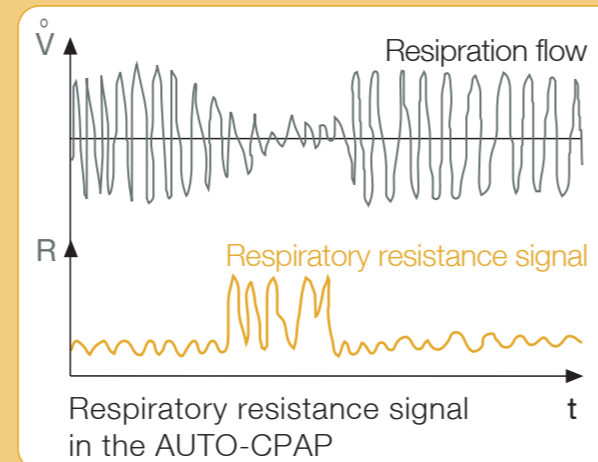
The extrem low respiration resistance, the high power reserves and the automatic compensation for leakages and altitudes are only some of the innovative quality characteristics.

The simple operating system leaves nothing to be desired. Three different user menus, an information menu, a patient menu for adjusting the comfort functions and a clinical menu for the optimal customisation of all the therapy parameters, create the simplest operation.

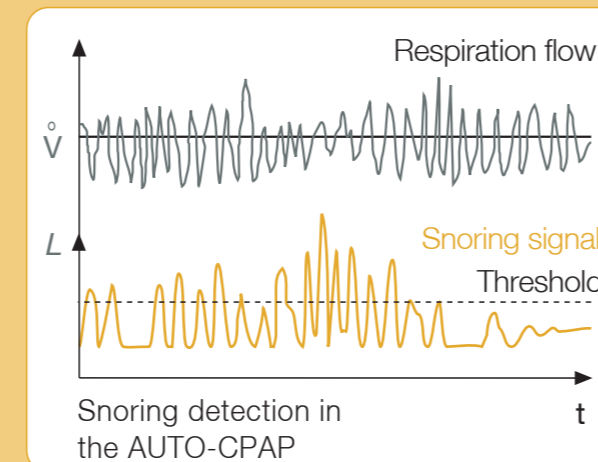


In the FLEXLINE mode the pressure adjusts proportionally to the individual respiration flow. This means an increase in pressure on inspiration and a reduction in pressure on expiration. This results in a particularly gentle therapy.

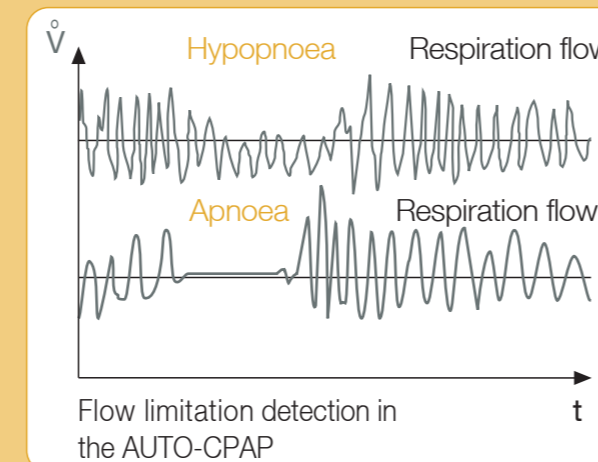
AUTO-Mode Detection of different incidents through 3 channels



Channel 1: Airway constriction. The device increases the pressure in the case of a significant rise of the airway resistance signal and / or in the case of a rise of fluctuations.

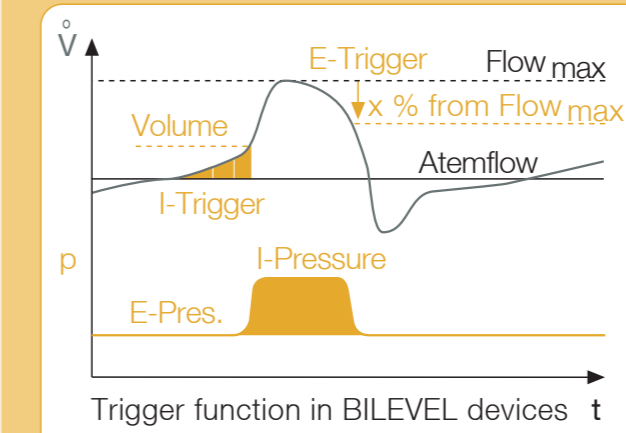


Channel 2: Snoring. The device identifies snoring through acoustic measurement, if this level of snoring exceeds a set threshold in a defined frequency range. The device raises the pressure, until the level is below the threshold again.

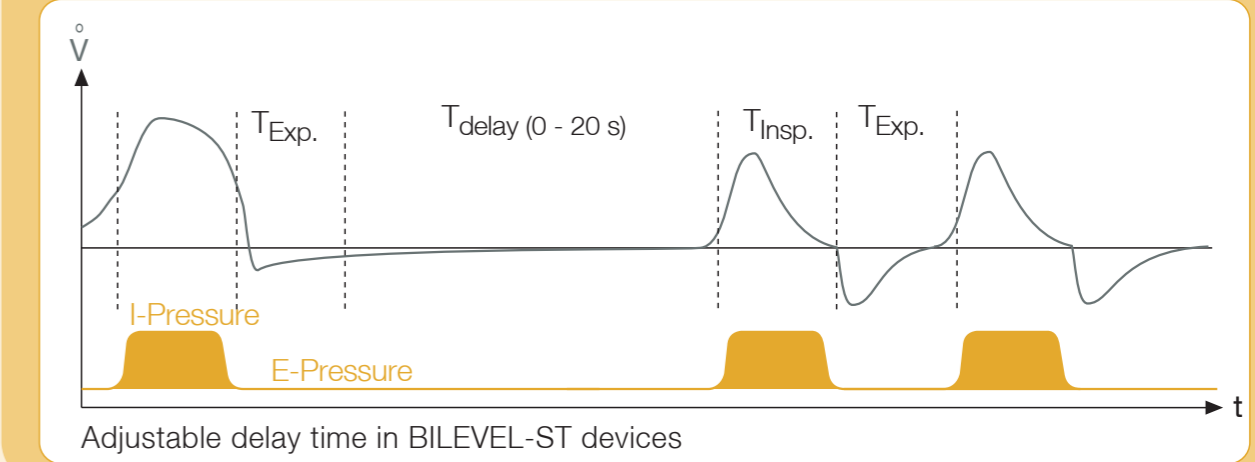


Channel 3: Flow limitation detection. The device continuously calculates the respiration volume per minute. A reduction of the respiration volume per minute indicates hypopnoea, in addition an absence of change in the flow signal indicates apnoea.

BILEVEL Mode



The BILEVEL devices offer two levels of pressure (I-pressure and E-pressure). The triggers which are separately adjustable for inspiration and expiration are particularly well suited to shallow breathing and effectively avoids undesirable selftriggering. The inspiration trigger controlled by volume and expiration trigger controlled by flow are adjustable in three settings. Additional it is possible to set a delay time up to 20 seconds in ST-devices, after the adjusted time the ventilation function (T-mode) starts. After the patient starts to breath again, the device automatically returns to the S-mode.



Comparison of different therapy mode

