Technical Data

Dimensions (w/l/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
Power consumption	< 12 W at 12 hPa
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

Device \ Mode	TREND II CPAP	TREND II AUTO	TREND II BILEVEL	TREND II BI-LEVEL ST20	TREND II BI-LEVEL ST30
CPAP	●	●	●	●	●
APAP	–	●	–	–	–
FLEXLINE	●	●	–	–	–
BILEVEL S	–	–	●	●	●
BILEVEL T	–	–	–	●	●
BILEVEL ST	–	–	–	●	●
Pressure range	4 - 20 hPa	4 - 20 hPa	4 - 20 hPa	4 - 20 hPa	4 - 30 hPa

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 (hPa, / mbar / cmH_2O, bargraph, date, time, softstartramp, alarm clock-state
Additional functions	Start-stop-automatic, softstartramp, leakage test, leakage alarm, power failure alarm, automatic turbine start after power failure, date, time and wake-up function
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

HOFFRICHTER
Quality makes the Difference

Enhanced data management with SD card
- Simple handling
- Data storage and transfer
- AI, leakage values, enhanced compliance analysis, respiratory flow and much more
- AHI (TREND IICPAP and Auto CPAP)

The comprehensive therapy data are analyzed, adjusted and managed with the aid of the TRENDset PC software. Additionally, the AI (AHI at TREND II et CPAP and Auto CPAP), increased leakage values and the average daily operation can be displayed on the device itself. The TREND II Series automatically applies altered therapy settings after insertion of the SD card.

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 waterfrom 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 dase 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.
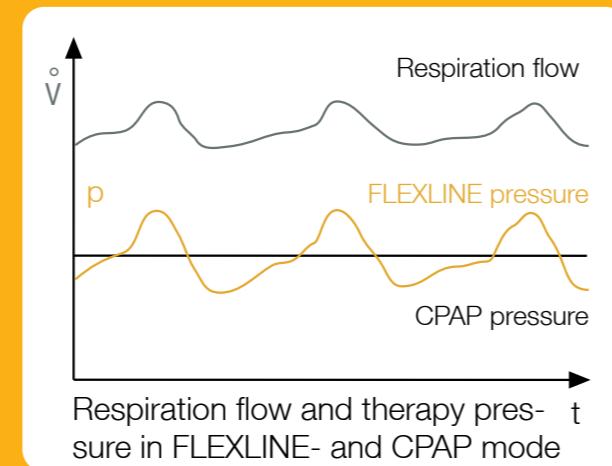
Carpe Noctem

TREND II - Series

- **5 device types with a total of 6 therapy modes**
- **New FLEXLINE mode**
- **Extreme low noise level**
- **Easy handling**
- **High maximum pressure up to 30 hPa (TREND II ST30)**
- **Advanced data management with SD card**

The extreme low respiration resistance, the high power reserves and the automatic compensation for leakages and altitudes are only some of the innovative quality characteristics.
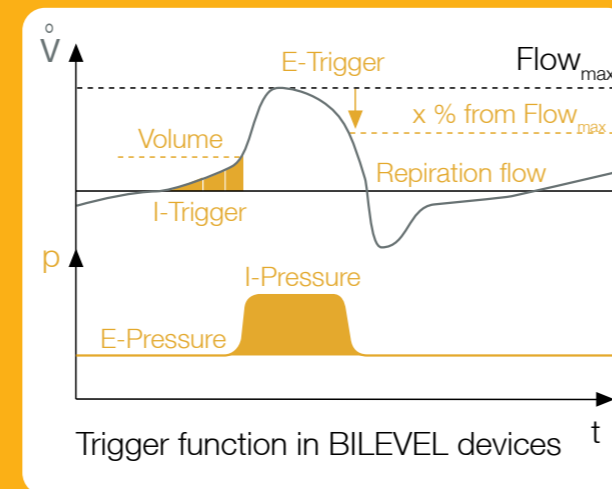
The simple operating system leaves nothing to be desired.
Three different user menus, an information menu, a patient menu for adjusting the comfort functions and a clinical menu for the optimal customisation of all the therapy parameters, create the simplest operation.

CPAP

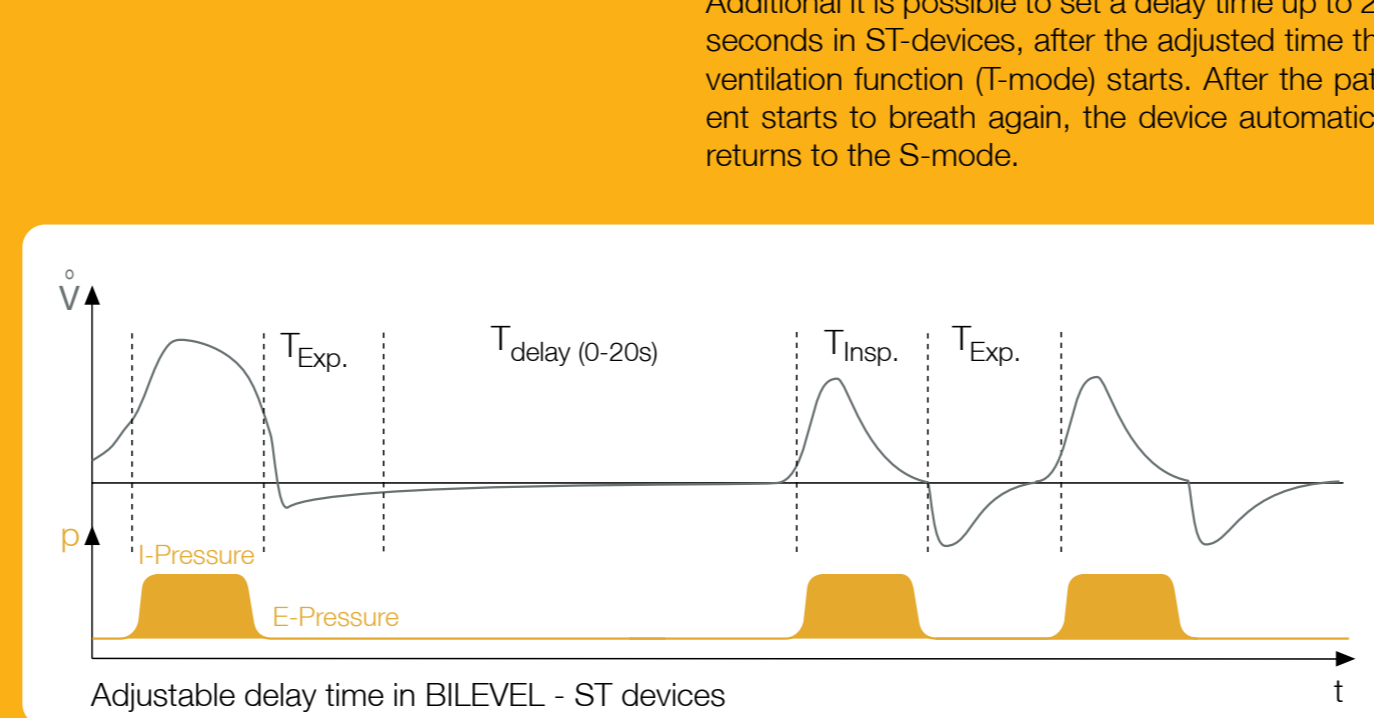Respiration flow and therapy pressure in FLEXLINE- and CPAP mode

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.
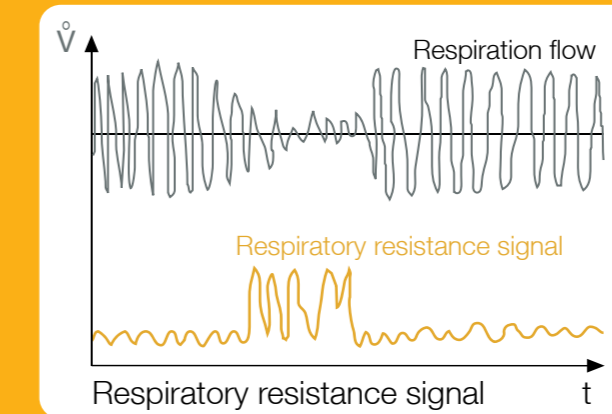
BILEVEL

Trigger function in BILEVEL devices

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.
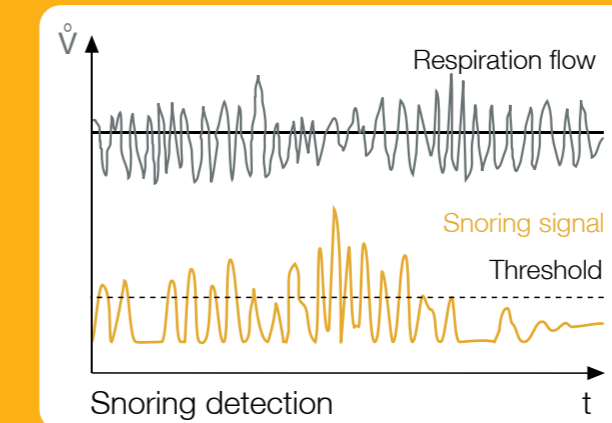
BILEVEL ST

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 automaticly returns to the S-mode.

Adjustable delay time in BILEVEL - ST devices
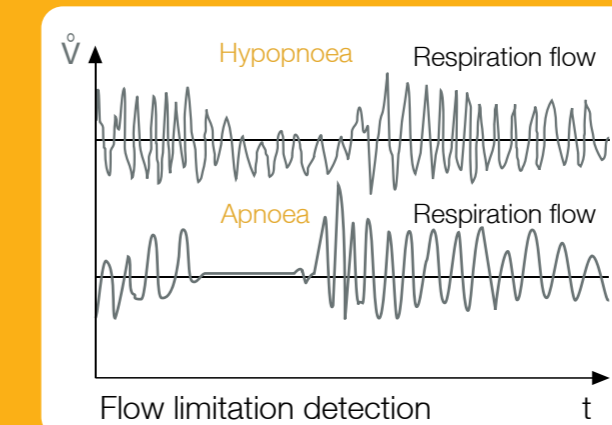
Auto CPAP

Respiratory resistance signal

Channel 1: Airway constriction

The device increases the pressure in the case of a significant rise of the airway resistancesignal and / or in the case of a rise of fluctuations.

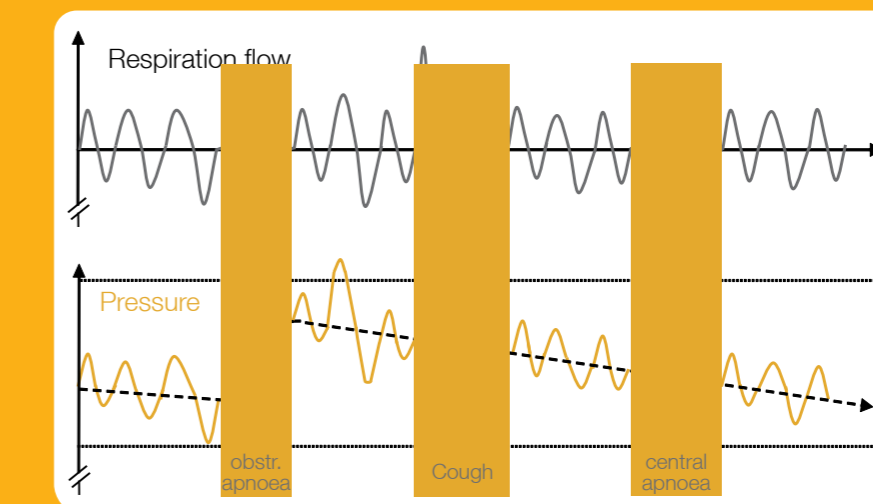Snoring detection

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.

Flow limitation detection

Channel 3: Flow limitation detection

The device continuously calculates the respiration volume per minute. A reduction of the respiration volume per minute indicates hypopnoea, an additional absence of change in the flow signal indicates apnoea.

The second generation of the well-established HOFFRICHTER therapy comfort mode FLEXLINE has been integrated into the APAP algorithm now. The result is a more flexible treatment for highly satisfied patients.

- Separately adjustable inspiratory pressure support and pressure reduction for maximum expiratory therapy flexibility.
- 3-stages FLEX-Level for inspiration and expiration can separatly be switched on and off.
- Comfortable and natural feeling of breathing through optimal pressure supply
- Significant therapy acceptance increase