

Technical Data

Dimensions (w x h x l)	330 mm x 110 mm x 280 mm
Mass	4,2 kg
Power Supply	100 V - 250 V AC, 50 - 60 Hz; 24 V DC / 5 A
Internal Battery	Lithium-Ion-Rechargeable, 24 V; 2.3 Ah
Average Power Consumption.	52 W
Noise Level	< 30 dB(A) overall
	< 25 dB(A) at 10 hPa

Parameters	Valve Ventilation Modes			Leakage Ventilation Modes		
	PCV/APCV	PSV	CPAP	S	ST	T
IPAP	4 - 40 hPa	4 - 40 hPa	2 - 20 hPa	4 - 40 hPa	4 - 40 hPa	4 - 40 hPa
PEEP	0 - 20 hPa	0 - 20 hPa				
EPAP				2 - 20 hPa	2 - 20 hPa	2 - 20 hPa
Frequency	4 - 50 bpm	4 - 50 bpm; Off			4 - 50 bpm	4 - 50 bpm
Insp.Time	0,3 - 8,0 s				0,3 - 8,0 s	
Apnoea Limit		Off; 3 - 60 s; Auto		Off; 3-60 s [as alarm]	3 - 60 s; Auto	
Ramp	1 - 5	1 - 5		1 - 5	1 - 5	1 - 5
Insp.Trigger	Off; 1 - 5; Auto	1 - 5; Auto		1 - 5; Auto	1 - 5; Auto	Off; 1 - 5; Auto
Exp.Trigger		10 - 90%; Auto		10 - 90%; Auto	10 - 90%; Auto	
Max. Insp.Time		1 - 10 s		1 - 10 s	1 - 10 s	
Vt. min.	0.05 - 2 l; Off	0.05 - 2 l; Off		0.05 - 2 l; Off	0.05 - 2 l; Off	0.05 - 2 l; Off
Add. Pressure	3 - 10 hPa	3 - 10 hPa		3 - 10 hPa	3 - 10 hPa	3 - 10 hPa

Alarm Parameters						
Max. Volume	0.2 - 2.5 l; Off	0.2 - 2.5 l; Off	0.2 - 2.5 l; Off	0.2 - 2.5 l; Off	0.2 - 2.5 l; Off	0.2 - 2.5 l; Off
Min.Volume	0.01- 2 l; Off	0.01- 2 l; Off	0.01- 2 l; Off	0.01- 2 l; Off	0.01- 2 l; Off	0.01- 2 l; Off
Max. Frequency	10 - 120 bpm; Off	10 - 120 bpm; Off	10 - 120 bpm; Off	10 - 120 bpm; Off	10 - 120 bpm; Off	10 - 120 bpm; Off
Max. Oxygen	30 - 100 %; Off	30 - 100 %; Off	30 - 100 %; Off	30 - 100 %; Off	30 - 100 %; Off	30 - 100 %; Off
Min. Oxygen	18 - 90 %; Off	18 - 90 %; Off	18 - 90 %; Off	18 - 90 %; Off	18 - 90 %; Off	18 - 90 %; Off
Pres. Difference	1 - 10 hPa	1 - 10 hPa	1 - 10 hPa	1 - 10 hPa	1 - 10 hPa	1 - 10 hPa
Leakage	20 - 200 l/min; Off	20 - 200; l/min; Off	20 - 200; l/min; Off	20 - 200; l/min; Off	20 - 200; l/min; Off	20 - 200; l/min; Off

Specifications and Performance					
Max. Stable Pressure Limit	60 hPa	Max. Working Pressure	40 hPa	Max. Flow	250 l/min
Min. Stable Pressure Limit	0 hPa	Min. Working Pressure	0 hPa		
Technical Requirements for Accessories					
Oxygen Inlet:			Bacterial Filter:		
Type of Connection Port	Quick Coupling	Connections	22 / 15 mm Cone (according to EN 1281-1)		
Pressure	< 1000 hPa	Resistance	< 2.3 hPa at 60 l/min		
Flow	< 15 l/min	CE-Mark required!			

Technical specifications are subject to technical modifications.

TRENDvent

Accessories



The functional bag was developed especially for the ventilator TRENDvent. Through the bag window, the functions of the device can be controlled. For the accessories an enlargeable compartment with separat space for the humidifier is integrated. The wide belts care for a good wearing comfort as backpack or sling bag. Many attachment features at the bag allow an easy assembly at wheel chair.



The external rechargeable battery is intended as autonomous power supply for all HOFFRICHTER ventilators including TRENDvent. It was especially developed for homecare use, use in hospitals and effort in mobile use. The rechargeable battery enables an additonal using time of 12 hours (in standard adjustments).



The remote alarm box is a wire alarm system signalling alarms of the TRENDvent for home use. The alarm is generated by the ventilator which is not within the operator's immediate hearing range. There is no difference between alarm type and alarm priority in alarm signalling.



The FiO₂-Sensor-Set measures the oxygen at the air outlet of the ventilator which shows the actual value in the display of the device.



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

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TRENDvent

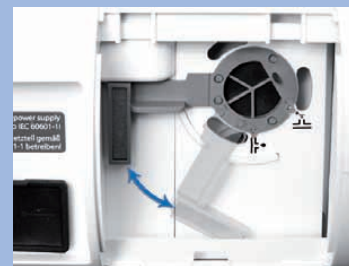


- Invasive and non invasive ventilation for adults and children
- Pressure modes with optional volume guarantee
- Leakage- and valve ventilation
- Clear menu structure
- Up to three ventilation presettings
- Battery and mains operation
- Extreme low noise level

TRENDvent was developed for the pressure controlled respiration therapy and ventilation of adults and children. Six different ventilation modes are available for an individual therapy with a minimum breathing volume of 50 ml.

If the device is operated with a single line patient circuit with an external expiration valve, the ventilation can be done invasively, e.g. via a tracheostoma and also non invasively via a mask.

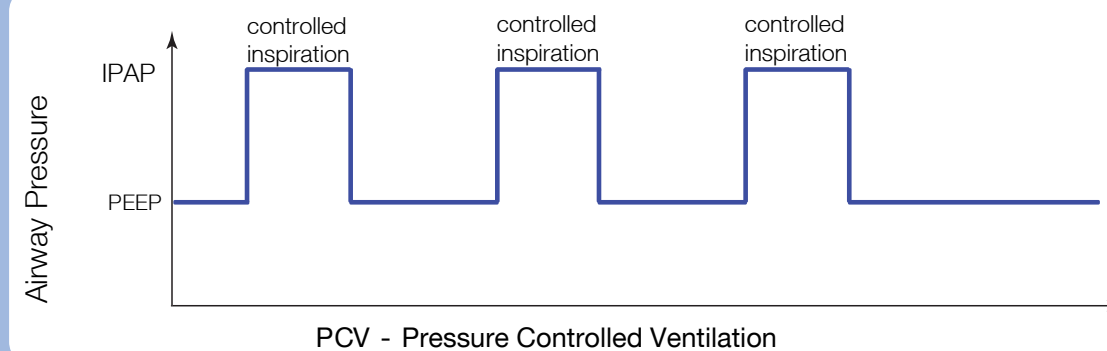
The well-arranged user interface is very easy to handle. High comfort and maximum safety are the results in clinical and home use.



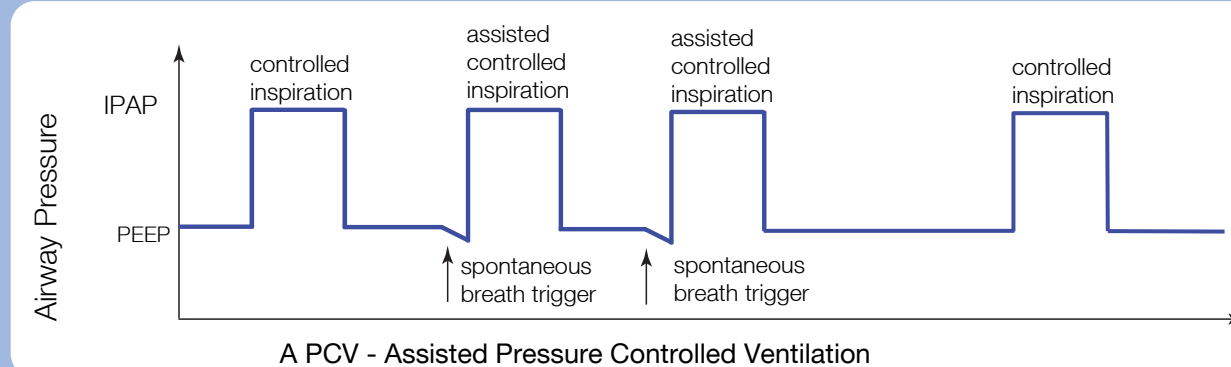
- **Usage of Leakage- and Valve Tubing Systems**
With an easy switching, the system can be used with a leakage circuit or a valve circuit.

PCV Pressure Controlled Ventilation

- The ventilation archetype is pressure- and time-controlled.

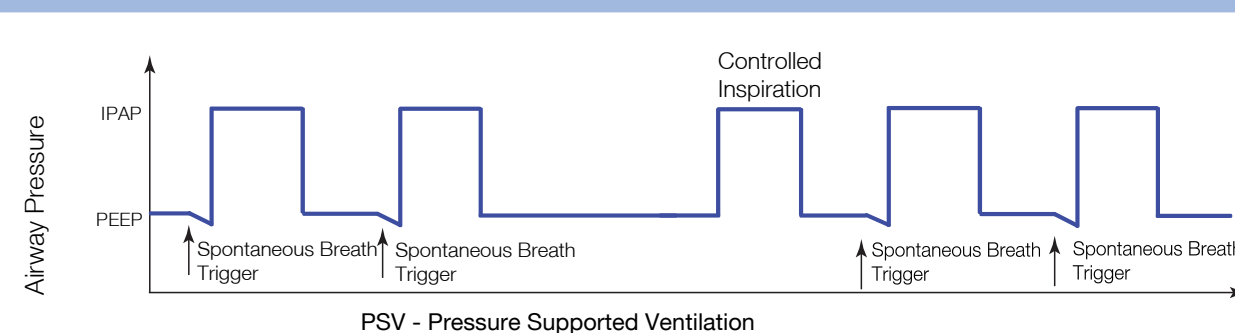


- If the trigger is active ((A)PCV), the patient can request additional controlled inspiration breathes.



PSV Pressure Supported Ventilation

- In this mode, normally every breath is triggered by the patient. The exception is the activation of the background frequency, caused by missing spontaneous breathing of the patient.



The operating concept impresses by the first contact. As soon as the panel is touched, the useable areas and the display are illuminated. The parameters are adjusted with the Control Pad. The cleaning of the surface is as easy as can be. The operating panel is made of one single piece of glass without any gaps. The function of the panel can be locked for more safety.



The wide, big handle guarantees an easy transport of the device.

All connections for the tubes are located next to each other on the frontside of the device.

The optional humidifier AquaTREND uni can be clicked on easily.



At the backside of the device, the connections for the power supply (external supply), data transmission, a COM-connector, a connector for the remote alarm box and an USB-plug for the link between device and personal computer, are located.