

## Ventilation parameters

Parameter	PCV	APCV	PSV	PSV-S	VCV	AVCV	V-SIMV	P-SIMV	CPAP	Setting range
Tidal volume					•	•	•			0,05 - 2 l
Pressure									•	4 - 20 hPa
IPAP	•	•	•	•				•		4 - 50 hPa
PS							•	•		4 - 50 hPa
PEEP	•	•	•	•	•	•	•	•		0 - 20 hPa
Frequency	•	•	•		•	•	•	•		4 - 50 bpm
Max. pressure					•	•	•			11 - 50 hPa
Min. pressure					•	•	•			2 - 40 hPa
Apnoea time			•							30 - 60 s, off
Inspiration time	•	•	•		•	•	•	•		0,3 - 8 s
Ti Max			•	•			•	•		1 - 10 s
Ti Min			•	•			•	•		0,4 - 5 s
I:E	•	•	•		•	•	•	•		1 : 0,3 1 : 4,0
Ramp	•	•	•				•	•		5 levels
Flow Ramp					•	•	•	•		5 levels
Inspiration trigger		•	•	•		•	•	•		5 levels; auto
Expiration trigger			•	•			•	•		10 - 90%
Trigger lock		•	•	•		•	•	•		0,5 - 4 s; off
Minimum volume	•	•	•	•						0,05 - 2 l; off
Additional pressure	•	•	•	•						3 - 10 hPa; off
Sigh function	•	•	•	•	•	•	•	•		on/off

## Technical Data

Dimensions (w x d x h)	304 mm x 253 mm x 160 mm
Weight	4.72 kg
Operating voltage	100 V – 240 V AC, 50 – 60 Hz or 12 V DC / 10 A or 24V DC / 5 A
Max. inspiratory pressure	50 hPa
PEEP pressure range	0 – 20 hPa
Min. tidal volume	50 ml
Respiratory rate	4 – 50 bpm
Pressure-controlled modes	PCV / APCV / PSV / PSV-S / P-SIMV
Volume-controlled modes	VCV / AVCV / V-SIMV
Internal battery	Lithium-ion battery; 14.8 V (nominal voltage) / 4.4 Ah / 65.12 Wh battery capacity: approx. 4 h (with factory default settings)
External battery	HOFFRICHTER AKKUPACK uni BASE/PLUS: 20 – 26 V (nominal voltage) / 5 A Battery capacity: at least 8 h (BASE), at least 16 h (BASE and PLUS)

## HOFFRICHTER AKKUPACK uni

The external battery is an autonomous power supply for the HOFFRICHTER CARAT *pro* device. The battery pack comprises the “BASE” and “PLUS” additional battery. Both batteries in combination with the device’s internal battery offer a independent operating time of 20 hours.



## Scope of supply of HOFFRICHTER CARAT *pro*

SD memory card, valve tube system, switched-mode power supply, mains cable, complete replacement filter cartridge, pack of 2 coarse filters, pack of 5 fine filters, O<sub>2</sub> connection adapter, adapter for bacteria filter, carrying case

## Order Information

Description	Order No.
HOFFRICHTER CARAT <i>I pro</i>	00004017
HOFFRICHTER CARAT <i>II pro</i>	00004018
HOFFRICHTER AKKUPACK uni Base (ventilation)	00011100
HOFFRICHTER AKKUPACK uni PLUS (add-on for HOFFRICHTER AKKUPACK uni BASE)	00011099
HOFFRICHTER CARAT <i>pro</i> functional bag	00014879
HOFFRICHTER CARAT <i>pro</i> SpO <sub>2</sub> fingerclip-sensor	00005292
HOFFRICHTER CARAT <i>pro</i> FiO <sub>2</sub> -measuring set complete	00004944



## CARAT *pro*

### Individual and powerful

- Clear operating structure
- Versatile
- Extremely quiet

# HOFFRICHTER *CARAT pro*

## Individual and powerful

Your user- and patient-friendly ventilation system

PCV / APCV / PSV / PSV-S / VCV / AVCV / V-SIMV / P-SIMV / CPAP



### Intuitive Interface

- Apps & Tabs
- Touch screen
- Plug & Play
- Clear user menu with only few levels

Easy to engage your clinical & homecare user

### Simultaneous parameter setting & evaluation

- Single menu for configuring parameters and alarms
- Possibility to save several parameter & alarm sets
- Use real-time measurement while configuring parameters & alarms and see dependencies while changing the settings

Time saving for your user efficiency

### Customized monitoring set

- The freely configurable monitoring allows displaying individually chosen and relevant measurements, graphs and loops
- P/V and V/V loops are the best information basis to quickly decide on the necessary actions and adjustments in the treatment

Ensuring quick evaluation of your patient's condition

### Enhanced technologies

- SMART Function supports spontaneous breath right after inspiration, smartly distinguishing between patient efforts and artefacts
- Night screen with 3 different display options
- Due to the O<sub>2</sub>-valve the device cannot be inadvertently flooded with O<sub>2</sub>, thus preventing unpleasant oxygen shots to a patient, when starting the O<sub>2</sub>-inlet before starting ventilation.
  - No need to disconnect the O<sub>2</sub> – when pausing the ventilation

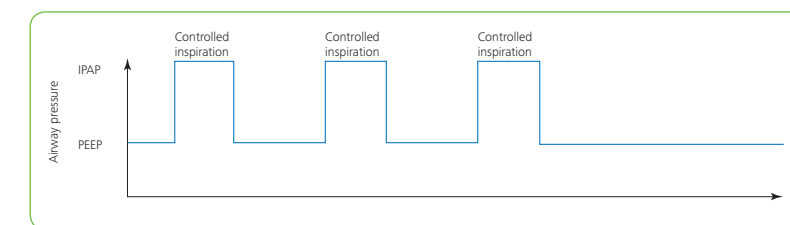
Enhancing your patient's well-being & safety

## Clear operating structure | Versatile | Extremely quiet

The large, clearly arranged colour display guides users through the various ventilation modes and their specific adaptation to the needs of patients. The powerful, performance-optimised blower ensures high flow reserves even at maximum treatment pressure and stands out due to its exceptionally quiet operation for a device of this class. So even in an application in the domestic area, no wishes remain open. The internal high-performance batteries provide energy reserves for intra-hospital or extra-hospital transports, outdoor stays or to bridge faults in the electrical power supply.

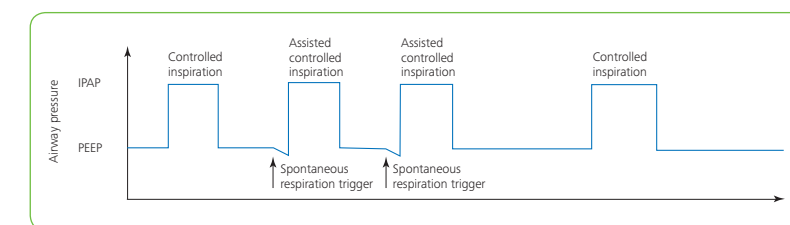
This system is a great choice, no matter if used as a single HOFFRICHTER *CARAT I pro* or dual HOFFRICHTER *CARAT II pro* limb system for both invasive and non-invasive ventilation.

### PCV



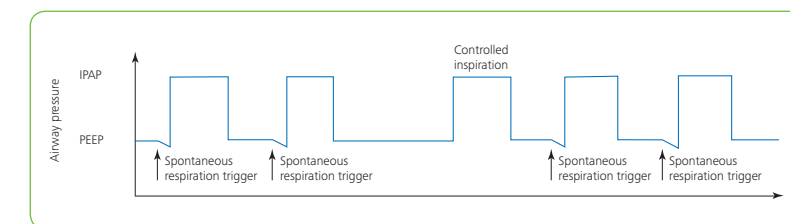
The ventilation pattern is pressure- and time controlled.

### APCV



The patient can spontaneously request additional controlled breaths when the trigger is active (APCV).

### PSV



Every breath is triggered by the patient (the exception is the triggering of the background frequency due to a lack of spontaneous breathing).