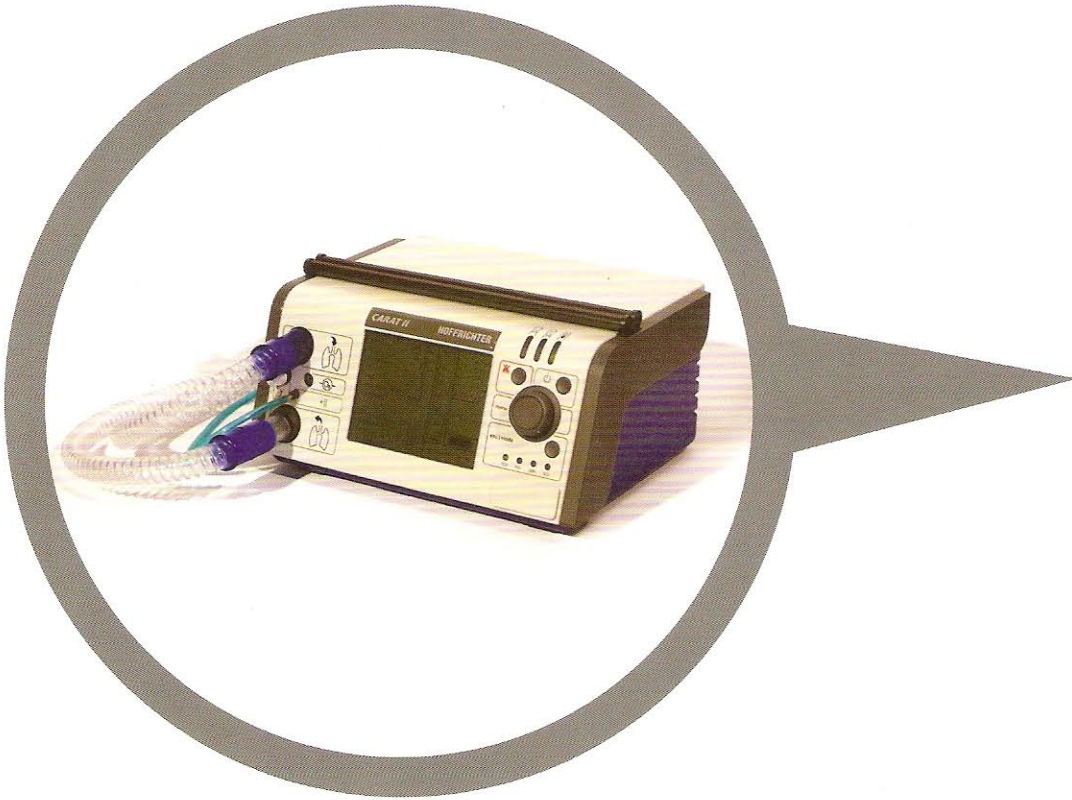
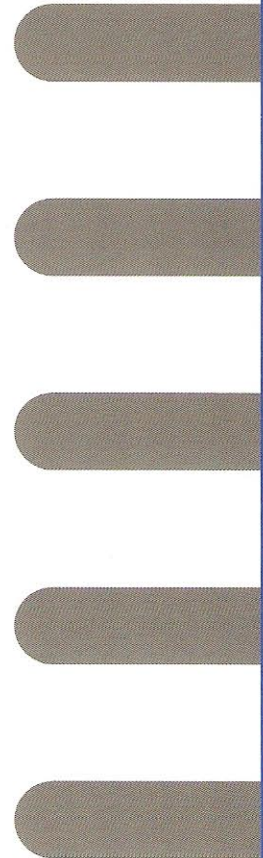


HOFFRICHTER
TECHNOLOGY FOR EASY BREATHING



CARAT

The Specialist in Ventilation



CARAT

Technology for a bit more quality of life

CARAT is the specialist for pressure- and volume controlled ventilation for adults and children.

Four ventilation modes are available for an individual therapy adaptation to the requirements of the patient in the field of invasive and non invasive ventilation.

The application of a single line patient circuit as well as a double line patient circuit and the possibility of oxygen enrichment and measurement makes the device flexible to use.

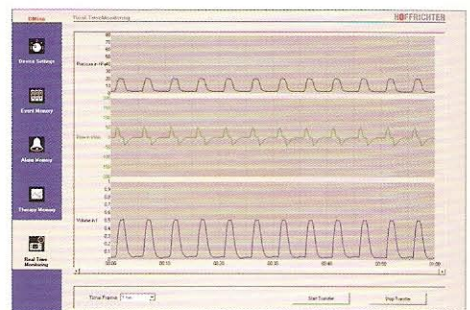
A large screen and an easy operating guarantee high comfort and safety in clinical use and at home.

The clear and functional design convinces both physicians and patients.

The PC-software **CaratControl** is a powerful tool for programming the device as well as monitoring and analysis of important data.



CARAT II



PC-software **CaratControl**

■ ► ● »That the possible can be created,
the impossible must be tried again
and again.«

Hermann Hesse

CARAT stands for pressure- and volume controlled ventilators which are suitable for long term therapy.

Following modes are adjustable:

- PCV - Pressure Controlled Ventilation
- PSV - Pressure Supported Ventilation
- SIMV - Synchronised Intermittent Mandatory Ventilation
- VCV - Volume Controlled Ventilation

The intelligent alarm management ensures a safe therapy.

CARAT I has to be used with a single line patient circuit.



CARAT I

CARAT II is suitable to be used with a double line patient circuit. The application of a single line patient circuit is also possible and is recognized by the device automatically.



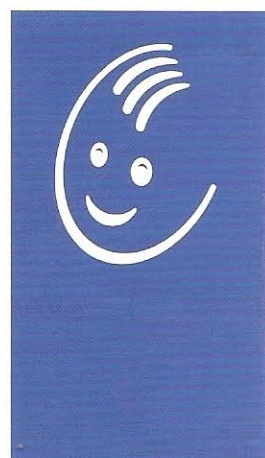
CARAT II

CARAT

Ventilation Parameters	PCV	PSV	SIMV	VCV
IPAP	4 - 50 hPa	-	4 - 50 hPa	-
PS	-	4 - 50 hPa	4 - 50 hPa	-
Volume	-	-	-	0.05 - 2 l
PEEP	0 - 20 hPa	0 - 20 hPa	0 - 20 hPa	0 - 20 hPa
Frequency	4 - 50 bpm	4 - 50 bpm	4 - 50 bpm	4 - 50 bpm
Apnea Limit	-	AUTO; 3 - 60 s; OFF	-	-
Inspiration Time	0.3 - 8.0 s	-	0.2 - 8.0 s	0.2 - 8.0 s
I : E	1 : 0.3 - 1 : 4.0	-	-	1 : 0.3 - 1 : 4.0
Ramp	5 steps	5 steps	5 steps	4 steps
Inspiration Trigger	AUTO; 5 steps; OFF	AUTO; 5 steps	AUTO; 5 steps	AUTO; 5 steps; OFF
Expiration Trigger	-	AUTO; 10 - 90 % of peak flow	AUTO; 10 - 90 % of peak flow	-
Minimum Volume	0.05 - 2 l; OFF	0.05 - 2 l; OFF	-	-
Additional Pressure	3 - 10 hPa; OFF	3 - 10 hPa; OFF	-	-
Alarm Parameters				
Max. Insp. Volume	0.2 - 2.5 l; OFF	0.2 - 2.5 l; OFF	0.2 - 2.5 l; OFF	-
Min. Insp. Volume	0 - 2 l; OFF	0 - 2 l; OFF	0 - 2 l; OFF	-
Max. Pressure	-	-	-	11 - 50 hPa
Min. Pressure	-	-	-	2 - 40 hPa
Max. Frequency	10 - 120 bpm; OFF	10 - 120 bpm; OFF	10 - 120 bpm; OFF	10 - 120 bpm; OFF
Max. Insp. Time	-	1 - 20 s	1 - 20 s	-
Pressure Difference	1 - 10 hPa	1 - 10 hPa	1 - 10 hPa	1 - 10 hPa
Max. Oxygen	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

Technical Data	CARAT
Dimensions w/l/h	305 / 250 / 165 mm
Mass	4.6 kg
Power Supply	external power supply unit: input: 100 - 250 V AC; 50 - 60 HZ; 1.5 - 3 A; output: 24 V DC; 5.0 A max.
Average Power Consumption	< 50 W
Internal Battery	lithium ion rechargeable battery
Operating Time of Internal Battery	≥ 5 hours with standard settings ≥ 2 hours with maximum settings
Additional Functions	
External Alarm	normally closed contact / normally open contact
Interface	RS232
Alarm Outlet	connection for remote alarm
Classification	II b

Data are subject to technical alteration.



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