

Carina®

The convenient and compact Carina, with its advanced SynchPlus technology, easy operation, and portability helps put your NIV patients on the road to recovery quickly and comfortably.



TECHNICAL DATA

Patient type	- Adult and pediatric patients
Ventilation settings	
Ventilation mode	- VC-AC - VC-SIMV AutoFlow™(1) - PC-SIMV - PC-AC - SPN-PS (+VG) - SPN-CPAP - Apnea Ventilation
Settings	
Tidal volume VT	100 to 2000 mL, BTPS*
PEEP	3 to 20 mbar (cmH ₂ O)
Inspiration pressure limit Pmax	5 to 50 mbar (cmH ₂ O)
Inspiration pressure P _{insp}	5 to 40 mbar (cmH ₂ O) (leak valve) 5 to 50 mbar (cmH ₂ O) (expiratory valve)
Pressure support ΔP _{supp}	2 to 40 mbar (cmH ₂ O) (leak valve) 2 to 50 mbar (cmH ₂ O) (expiratory valve) (absolute ≥ 5 mbar (cmH ₂ O))
CPAP	3 to 20 mbar (cmH ₂ O)
Ventilation frequency (f)	5 to 50 bpm
Inspiration time (T _i)	0.3 to 8.0 s
I:E ratio	1:39 to 2:1
Rise time Ramp	Auto, 0.1 to 2.0 s
Trigger sensitivity	normal, sensitive, OFF
Insp. O ₂ -concentration (FiO ₂)	21 to 100 %
Time setting	T _i / I:E
Application method setting	Mask / Tube (mask only for leak valve)
Screen type setting	Curves / Measure Waveforms / Numeric measurements
Diagonal screen size	13.7 cm (5.4 inch) TFT color screen
Night screen setting	Screen on/off
Measured value displayed	
Inspiratory peak pressure (PIP)	0 to 80 mbar (cmH ₂ O)
Pos. end-exp. pressure (PEEP)	0 to 80 mbar (cmH ₂ O)
Mean airway pressure (P _{mean})	0 to 80 mbar (cmH ₂ O)
Inspiratory tidal volume (VT _i , VT)	0 to 4000 mL, BTPS*



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Ventilation frequency (f)	0 to 80 bpm		
Minute volume (MV _I , MV)	0 to 40 L/min, BTPS*		
Minute volume leakage (MV _{leak})	0 to 99 L/min, BTPS*		
Curve screen			
Pressure (t)	0 to 80 mbar (cmH ₂ O)		
Flow (t)	-160 to + 160 L/min		
Bargraph screen			
Pressure	0 to 60 mbar (cmH ₂ O)		
Alarms / settings			
Airway pressure (Paw)	10 to 55 mbar (cmH ₂ O)		
Insp. minute volume MV high	2 to 40 L/min		
Insp. minute volume MV low	0.1 to 39 L/min		
Ventilation frequency f high	10 to 50 bpm		
Delay time (T _{disconn})	Mask	0 to 120 s (leak valve)	
	Tube	0 to 60 s	
Apnea alarm time (T _{Apn})	5 to 60 s		
Operating data			
Mains power connection	100 to 240 V AC (-20 to 10 %); 50 to 60 Hz; 1.7 to 1.1 A		
Internal battery	60 min		
Gas supply	HPO	O ₂ -pressure	2.7 to 6 bar (39.16 to 87.02 psi) (270 to 600 kPa)
		O ₂ -Flow	0 to 120 L/min
	LPO	O ₂ -pressure	0 to 500 mbar (0 to 72.52 psi) (0 to 500 hPa)
		O ₂ -Flow	0 to 10 L/min
Dimension (W x H x D)	Basic unit 175 x 275 x 385 mm (6.89 x 10.83 x 15.16 inch) Trolley 950 x 570 x 670 mm (37.40 x 22.44 x 26.38 inch)		
Weight	Basic unit 5.5 kg (12.13 lbs.) Trolley 11.5 kg (25.35 lbs.)		
Noise level	Max. 40 dBA (at 10 hPa (0.15 psi))		
Max. inspiratory flow	180 L/min at 21 Vol.% O ₂ and normal ambient conditions 120 L/min at 100 Vol.% O ₂ and normal ambient conditions		
Connections			
Data port	RS 232 (MEDIBUS Software protocol output)		
Nurse call system	AMP/Tyco 5-555237-3, 6-pole		
Accessories			
Patient hose system	One hose system with leak valve One hose system with expiratory valve		
External battery	Approx. 8 h		

*BTPS = Body Temperature Pressure Saturated¹⁾ AutoFlow™, trademarked by Dräger.

HEADQUARTERS

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Effective 2010-09:
Dräger Medical AG & Co. KG
changes to
Dräger Medical GmbH

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The quality management system at
Dräger Medical AG & Co. KG is
certified according to ISO 13485,
ISO 9001 and Annex II.3 of Directive
93/42/EEC (Medical devices).