

Carina®

The clever-compact Carina, with its advanced SyncPlus® functionality, ease of operation and portability will help you put your patients on the road to recovery - quickly and comfortably.



TECHNICAL DATA

Ventilation settings

| | |
|------------------|--|
| Ventilation mode | <ul style="list-style-type: none"> - VC-SIMV AutoFlow - PC-BIPAP (for US: 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 Trigger | 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 |
| Diagonal screen size | 13.7 cm (5.4 inch) TFT color screen |
| Night screen setting | Screen on/off |
| Measured value displayed | |
| Inspiratory 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 | 0 to 4000 mL, BTPS* |
| Ventilation frequency f | 0 to 80 bpm |
| Minute volume MV _i | 0 to 40 L/min, BTPS* |
| Minute volume leakage MV _{leak} | 0 to 99 L/min, BTPS* |



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clever, comfortable and compact.

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 P _{aw} | 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

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|-------------------|---|
| 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 |

*BTSPS = Body Temperature Pressure Saturated

HEADQUARTERS

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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).