

Dräger Evita XL

The new generation of excellence in Dräger ventilation



TECHNICAL DATA

EVITA XL

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| Patient type | <ul style="list-style-type: none"> - Adults, children, infants (body weight of at least 3 kg/6.6 lbs) - Premature infants with NeoFlow option |
| Ventilation settings | |
| Ventilation mode | <ul style="list-style-type: none"> - IPPV, IPPV_{Assist}/CMV, CMV_{Assist} - SIMV, SIMV_{Psupp} - MMV, MMV_{Psupp} - BIPAP¹⁾, BIPAP¹⁾_{ASB}, BIPAP¹⁾_{Assist} / PCV+, PCV+_{Psupp}, PCV+_{Assist} - APRV - CPAP, CPAP_{ASB} / CPAP/_{Psupp}, CPAP/_{Psupp} - ILV - PPS (optional) |
| Enhancements | <ul style="list-style-type: none"> - AutoFlow™ – Automatic adaptation of inspiratory flow in volume controlled modes - ATC™ – Automatic Tube Compensation™ - NIV – Mask Ventilation (optional) - SmartCare®/PS– Automated clinical protocol in CPAP/ASB / CPAP/_{Psupp} (optional) - Lung Protection Package – Recruitment manoeuvre and Low Flow manoeuvre (optional) |
| Ventilation frequency (f) | 0 to 100/min, 0 to 150/min (Neonatal) |
| Inspiration time (T _{insp}) | 0.1 to 10 s |
| Tidal volume (V _T) (BTPS*) | <ul style="list-style-type: none"> - 0.1 to 2.0 L (Adult) / 0.02 to 0.3 L (Pediatric) - 0.003 to 0.1 L (Neonatal) |
| Inspiratory flow | <ul style="list-style-type: none"> - 6 to 120 L/min (Adult) - 6 to 30 L/min (Pediatric and Neonatal) |
| Inspiratory pressure | 0 to 95 mbar/cmH ₂ O |
| PEEP / intermittent PEEP | 0 to 50 mbar/cmH ₂ O |
| Pressure assist ASB/ _{Psupp} | 0 to 95 mbar/cmH ₂ O |
| Rise time for inspiratory pressure | 0 to 2 s |
| O ₂ concentration | 21 to 100 Vol.% |
| Multi-sense Trigger Criteria | Internal automatic pressure trigger, Flow, Volume (Flow adjustable 0.3 to 15 L/min) |
| Measured values displayed | |
| Airway pressure | Peak pressure, plateau pressure, mean pressure, PEEP, min. pressure (-45 to 110 mbar/cmH ₂ O) |
| Minute volume (MV), (BTPS*) | MV, MV _{spont} (0 to 120 L/min, MV _{leak} (0 to 99 L/min) |
| Tidal volume (V _T), (BTPS*) | V _{Tasb} 0 - 10, respectively 0 - 3999 ml |



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| Breathing frequency (f) | f _{total} , f _{spn} , f _{mand} . (0 to 300 bpm) |
| O ₂ concentration (FiO ₂) | Inspired O ₂ concentration (15 to 100 Vol.%) |
| Lung mechanics | – Resistance (0 to 600 mbar/cmH ₂ O L/s) – Compliance (0 to 300 mL/mbar/cmH ₂ O) |
| Breathing gas temperature | 18 °C to 51 °C |
| Capnography (etCO ₂) (optional) | – 0 to 100 mmHg |
| CO ₂ production (VCO ₂) | – 0 to 999 mL/min, STPD* |
| Serial dead space V _{ds} | – 0 to 999 mL, BTPS* |
| Dead space ventilation (V _{ds} /VT) | – 0 to 99% |
| Weaning parameters | – RSB (0 to 9999 (min x L)) / NIF (-45 to 0 mbar/cmH ₂ O) |
| Alarms / Monitoring | |
| Airway pressure | High / Low |
| Expired minute volume | High / Low |
| Tidal volume | High |
| Apnea alarm Time | 5 to 60 s |
| Spontaneous breath frequency | High |
| Inspired O ₂ concentration | High / Low |
| Breathing gas temperature | High |
| SpO ₂ pulse (optional) | High / Low |
| etCO ₂ (optional) | High / Low |
| Performance data | |
| Valve response time T _{0...90} | ≤ 5 ms |
| Control principle | Time cycled, volume constant, pressure-controlled |
| Safety relief valve | 100 mbar/cmH ₂ O |
| Leakage and hose system compensation compliance | automatic |
| Max. flow for pressure support and spontaneous breathing | 180 L/min |
| Outlet for pneumatic nebulizer | |
| Operating data | |
| Mains power connection | 100 to 240 V, 50/60 Hz, 10 to 30 V DC |
| Power consumption | Approx. 125 W |
| Gas supply operating pressure | O ₂ , air: 2.7 to 6 bar / 39 to 87 PSI |
| Physical specifications | |
| Dimensions ventilator (W x H x D) | 530 x 315 x 450 mm / 20.9 x 12.4 x 17.7 inches (without trolley) |
| Diagonal screen size | 15" TFT color touch screen |
| Weight basic unit | Approx. 50 kg / 64 lbs |
| Machine outputs: | |
| Digital output | Output and reception via an RS 232 C interface |
| Digital output | Output for independent lung ventilation (ILV) |
| Digital output (optional) | For output and reception via two RS 232 C interfaces |
| Analog output (optional) | For analog output of two measured values |

¹⁾ BIPAP, trademark used under license. ATC™, trademarked by Dräger. AutoFlow™, trademarked by Dräger. BTPS* (Body Temperature Pressure Saturated).
Measured values relating to the conditions of the patients lung, body temperature 37 °C, steam-saturated gas, ambient pressure. STPD* (Standard Temperature, Pressure, Dry).
Measured values based on normal physical conditions: 0 °C, 1013 hPa, dry.

HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

From September 2010:
Dräger Medical AG & Co. KG
changes into
Dräger Medical GmbH

**REGION EUROPE CENTRAL
AND EUROPE NORTH**

Dräger Medical AG & Co. KG
Moislinger Allee 53–55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH

Dräger Médical S.A.S.
Parc de Haute
Technologie d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
dlmfr-contact@draeger.com

**REGION MIDDLE EAST, AFRICA,
CENTRAL AND SOUTH AMERICA**

Dräger Medical AG & Co. KG
Branch Office Dubai
Dubai Healthcare City, P.O. Box 505108
Dubai, United Arab Emirates
Tel + 971 436 24 762
Fax + 971 436 24 761
contactuae@draeger.com

REGION ASIA / PACIFIC

Dräger Medical
South East Asia Pte Ltd
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com

REGION NORTH AMERICA

Dräger Medical, Inc.
3135 Quarry Road
Telford, PA 18969-1042, USA
Tel +1 215 721 5400
Toll-free +1 800 437 2437
Fax +1 215 723 5935
info.usa@draeger.com

Manufacturer:

Dräger Medical AG & Co. KG
23542 Lübeck, Germany
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).