

## Dräger Evita XL

The new generation of excellence in Dräger ventilation



### TECHNICAL DATA

### EVITA XL

<b>Patient type</b>	<ul style="list-style-type: none"> <li>- Adults, children, infants (body weight of at least 3 kg/6.6 lbs)</li> <li>- Premature infants with NeoFlow option</li> </ul>
<b>Ventilation settings</b>	
Ventilation mode	<ul style="list-style-type: none"> <li>- IPPV, IPPV<sub>Assist</sub> / CMV, CMV<sub>Assist</sub></li> <li>- SIMV, SIMV<sub>Psupp</sub></li> <li>- MMV, MMV<sub>Psupp</sub></li> <li>- BIPAP<sup>1)</sup>, BIPAP<sup>1)</sup><sub>ASB</sub>, BIPAP<sup>1)</sup><sub>Assist</sub> / PCV+, PCV+<sub>Psupp</sub>, PCV+<sub>Assist</sub></li> <li>- APRV</li> <li>- CPAP, CPAP<sub>ASB</sub> / CPAP/<sub>Psupp</sub>, CPAP/<sub>Psupp</sub></li> <li>- ILV</li> <li>- PPS (optional)</li> </ul>
<b>Enhancements</b>	<ul style="list-style-type: none"> <li>- AutoFlow™ – Automatic adaptation of inspiratory flow in volume controlled modes</li> <li>- ATC™ – Automatic Tube Compensation™</li> <li>- NIV – Mask Ventilation (optional)</li> <li>- SmartCare®/PS– Automated clinical protocol in CPAP/ASB / CPAP/<sub>Psupp</sub> (optional)</li> <li>- Lung Protection Package – Recruitment manoeuvre and Low Flow manoeuvre (optional)</li> </ul>
Ventilation frequency (f)	0 to 100/min, 0 to 150/min (Neonatal)
Inspiration time (T <sub>insp</sub> )	0.1 to 10 s
Tidal volume (V <sub>T</sub> ) (BTPS*)	<ul style="list-style-type: none"> <li>- 0.1 to 2.0 L (Adult) / 0.02 to 0.3 L (Pediatric)</li> <li>- 0.003 to 0.1 L (Neonatal)</li> </ul>
Inspiratory flow	<ul style="list-style-type: none"> <li>- 6 to 120 L/min (Adult)</li> <li>- 6 to 30 L/min (Pediatric and Neonatal)</li> </ul>
Inspiratory pressure	0 to 95 mbar/cmH <sub>2</sub> O
PEEP / intermittent PEEP	0 to 50 mbar/cmH <sub>2</sub> O
Pressure assist ASB/ <sub>Psupp</sub>	0 to 95 mbar/cmH <sub>2</sub> O
Rise time for inspiratory pressure	0 to 2 s
O <sub>2</sub> concentration	21 to 100 Vol.%
Multi-sense Trigger Criteria	Internal automatic pressure trigger, Flow, Volume (Flow adjustable 0.3 to 15 L/min)
<b>Measured values displayed</b>	
Airway pressure	Peak pressure, plateau pressure, mean pressure, PEEP, min. pressure (-45 to 110 mbar/cmH <sub>2</sub> O)
Minute volume (MV), (BTPS*)	MV, MV <sub>spont</sub> (0 to 120 L/min, MV <sub>leak</sub> (0 to 99 L/min)
Tidal volume (V <sub>T</sub> ), (BTPS*)	V <sub>Tasb</sub> 0 - 10, respectively 0 - 3999 ml



Dräger Evita XL

Breathing frequency (f)	f <sub>total</sub> , f <sub>spon</sub> , f <sub>mand</sub> . (0 to 300 bpm)
O <sub>2</sub> concentration (FiO <sub>2</sub> )	Inspired O <sub>2</sub> concentration (15 to 100 Vol.%)
Lung mechanics	– Resistance (0 to 600 mbar/cmH <sub>2</sub> O L/s) – Compliance (0 to 300 mL/mbar/cmH <sub>2</sub> O)
Breathing gas temperature	18 °C to 51 °C
Capnography (etCO <sub>2</sub> ) (optional)	– 0 to 100 mmHg
CO <sub>2</sub> production (VCO <sub>2</sub> )	– 0 to 999 mL/min, STPD*
Serial dead space V <sub>ds</sub>	– 0 to 999 mL, BTPS*
Dead space ventilation (V <sub>ds</sub> /VT)	– 0 to 99%
Weaning parameters	– RSB (0 to 9999 (min x L)) / NIF (-45 to 0 mbar/cmH <sub>2</sub> O)
<b>Alarms / Monitoring</b>	
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 <sub>2</sub> concentration	High / Low
Breathing gas temperature	High
SpO <sub>2</sub> pulse (optional)	High / Low
etCO <sub>2</sub> (optional)	High / Low
<b>Performance data</b>	
Valve response time T <sub>0...90</sub>	≤ 5 ms
Control principle	Time cycled, volume constant, pressure-controlled
Safety relief valve	100 mbar/cmH <sub>2</sub> O
Leakage and hose system compensation compliance	automatic
Max. flow for pressure support and spontaneous breathing	180 L/min
Outlet for pneumatic nebulizer	
<b>Operating data</b>	
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 <sub>2</sub> , air: 2.7 to 6 bar / 39 to 87 PSI
<b>Physical specifications</b>	
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

<sup>1)</sup> 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](http://www.draeger.com)

**REGION EUROPE CENTRAL  
AND EUROPE NORTH**

Dräger Medical GmbH  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
Tel +49 451 882 0  
Fax +49 451 882 2080  
[info@draeger.com](mailto: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  
[dlimfr-contact@draeger.com](mailto:dlimfr-contact@draeger.com)

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

Dräger Medical GmbH  
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](mailto: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](mailto:asia.pacific@draeger.com)

**REGION NORTH AMERICA**

Draeger 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](mailto:info.usa@draeger.com)

**Manufacturer:**

Dräger Medical GmbH  
23542 Lübeck, Germany  
The quality management system at Dräger Medical GmbH is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).