**Dräger Evita XL Neo**

Excellence in Dräger ventilation – dedicated to neonatal care

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### TECHNICAL DATA

#### EVITA XL NEO

| Patient type | – For children, neonates, and premature infants with a minimum body weight of 0.5 kg (1.1 lbs).  
– For adults with the adult option. |

| Ventilation settings | – IPPV, IPPV<sub>assist</sub> / CMV, CMV<sub>assist</sub>  
– SIMV, SIMV<sub>assist</sub>  
– MMV, MMV<sub>assist</sub>  
– BIPAP<sup>1)</sup>, BIPAP<sup>1)</sup> ASB, BIPAP<sup>1)</sup> Assist / PCV+, PCV+<sub>assist</sub>, PCV+<sub>assist</sub>  
– APRV  
– CPAP, CPAP<sub>assist</sub> / CPAP<sub>assist</sub>, CPAP<sub>assist</sub>  
– ILV  
– PPS (optional) |

| Ventilation frequency (f) | 10 to 150/min (Neonatal) |
| Inspiration time (T<sub>insp</sub>) | 0.1 to 10 s |
| Tidal volume (VT) (BTPS<sup>*</sup>) | – 3 to 100 ml, BTPS<sup>*</sup> (Neonatal)  
– 0.02 to 0.3 L, BTPS<sup>*</sup> (Pediatric) |
| Inspiratory flow | – 6 to 30 L/min (Pediatric) |
| Basic flow | 6L/min (with demand system, pressure regulated, time-controlled) |
| Inspiratory pressure | 0 to 95 mbar (or hPa, or cmH<sub>2</sub>O) |
| PEEP / intermittent PEEP | 0 to 50 mbar (or hPa, or cmH<sub>2</sub>O) |
| Pressure assist ASB<sub>/assist</sub> | 0 to 95 mbar (or hPa, or 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  
Adjustable: flow trigger sensitivity 0.3 to 15 L/min |

| Measured values displayed | Airway pressure  
Internal automatic: pressure, volume  
PEEP, min. pressure (-45 to 110 mbar/cmH<sub>2</sub>O) |
| Minute volume (MV), (BTPS<sup>*</sup>) | MV, MV<sub>spont</sub> (0 to 120 L/min, MV<sub>leak</sub> (0 to 99 L/min)) |
| Tidal volume (VT), (BTPS<sup>*</sup>) | V<sub>tasb</sub> 0 - 10, respectively 0 - 3999 ml |
Inspiratory O₂ concentration FiO₂, Range
- 0 to 100 Vol. %

Lung mechanics
- Resistance (0 to 600 mbar/cmH₂O L/s)
- Compliance (0 to 300 mL/mbar/cmH₂O)

Breathing gas temperature, Range
18 °C to 51 °C (64.5 to 123.8 °F)

End-expiratory CO₂ concentration etCO₂ (optional), Range
- 0 to 100 mmHg

CO₂ production (VCO₂) (optional), Range
- 0 to 999 mL/min, STPD*

Serial dead space Vds (optional), Range
- 0 to 999 mL, BTPS*

Dead space ventilation (Vds/VT) (optional), Range
- NIF (-45 to 0 mbar/cmH₂O)

Weaning parameters
- RSBi (0 to 9999 (min × L)) / NIF (-45 to 0 mbar/cmH₂O)

Alarms / Monitoring
- Airway pressure
- Expired minute volume
- Tidal volume
- Apnea alarm Time
- Spontaneous breath frequency
- Inspired O₂ concentration
- Breathing gas temperature
- etCO₂ (optional)

Performance data
- Valve response time T0...90 ≤ 5 ms
- Control principle Time cycled, volume constant, pressure-controlled
- Safety relief valve 100 mbar/cmH₂O
- Leakage and hose system compensation compliance automatic
- Max. flow for pressure support and spontaneous breathing 180 L/min
- Outlet for pneumatic nebulizer Yes

Operating data
- Mains power connection 100 to 240 V, 50/60 Hz, 10 to 30 V DC
- Power input typically approx. 125 W
- Gas supply operating pressure O₂, air: 2.7 to 6 bar / 39 to 87 PSI

Physical specifications
- Dimensions ventilator (W × H × D) 530 × 315 × 450 mm / 20.9 × 12.4 × 17.7 inches (without trolley)
- Diagonal screen size 15" TFT color touch screen
- Weight basic unit (incl. self) Approx. 29 kg / 64 lbs
- Machine outputs:
  - Digital output Output and reception via an RS 232 C interface
  - 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.