The Dräger Evita 4 was designed to meet the demanding requirements of the ICU environment by improving the interactions between patient, ventilator and clinician. The functional touch screen continually provides the clinician information on ventilator settings, patient measurements and advanced trending capabilities which enhances the operation of the device. Unique features and modalities such as AutoFlow™ and APRV are standard on all Evita 4 ventilators.
Dräger Evita 4 Ventilator

Specifications

VENTILATION SETTINGS
Ventilation Mode:
- IPPV, IPPVAssist (CMV, CMVAssist)
- SIMV, SIMVASB (SIMV, SIMV/Psupp)
- MMV, MMVASB (MMV, MMV/Psupp)
- BIPAP1, BIPAP1ASB, BIPAP1ASB (PCV+, PCV+/Psupp, PCV+Assist)
- CPAP, CPAPASB (CPAP, CPAP/Psupp)
- ILV
- PPS (optional)

Enhancements:
- AutoFlow™ – Automatic adaptation of inspiratory flow in volume controlled modes
- ATCTM – Automatic Tube Compensation (optional)
- NIV – Mask Ventilation (optional)

Ventilation frequency (f): 0 to 100 /min, 0 to 150 /min (Neonatal)
Inspiration time (Tinsp): 0.1 to 10 s
Tidal volume (VT) (BTPS):
- 0.1 to 2.0 L (Adult)
- 0.02 to 0.3 L (Pediatric)
- 0.003 to 0.1 L (Neonatal)
Inspiratory flow
- 6 to 120 L/min (Adult)
- 6 to 30 L/min (Pediatric and Neonatal)
Inspiratory pressure: 0 to 80 mbar (cmH₂O)
PEEP / intermittent PEEP: 0 to 35 mbar (cmH₂O)
Pressureassist (PASB) (Psupp): 0 to 80 mbar (cmH₂O)
Rise time for inspiratory pressure: 0 to 2 s
O₂ concentration: 21 to 100 Vol.%
Trigger sensitivity: 0.3 to 15 L/min

MEASUR ED V ALUES d ISplAyEd
Airway pressure: Peak pressure, plateau pressure, mean pressure, PEEP, min, pressure (0 to 99 mbar/cmH₂O)
Minute volume (MV), (BTPS): MV, MVspont, MVleak (0 to 99 L/min)
Tidal volume (VT), (BTPS): Inspired VT, expired VT, VTPS (0 to 3999 mL)
Breathing frequency (f): 0 to 100 /min, 0 to 150 /min (Neonatal)
O₂ concentration (FiO₂): 15 to 100 Vol.%
Lung mechanics
- Resistance (0.0 to 600 mbar/L/s) (cmH₂O/L/s)
- Compliance (0.0 to 300 mL/mbar) (mL/cmH₂O)
Breathing gas temperature: 18 °C to 51 °C
Capnography (EtCO₂) (optional): 0 to 100 mmHg

MEASUR ED V ALUES d ISplAyEd continued
CO₂ production (VCO₂): 0 to 999 mL/min, STPD
Serial dead space Vds: 0 to 999 mL, BTPS
Dead space ventilation (Vds/VT): 0 to 99 %
O₂ saturation: SpO₂ pulse

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 O₂ concentration: High / Low
Breathing gas temperature: High
SpO₂ pulse (optional): High / Low
EtCO₂ (optional): High / Low

PERFORMANCE DATA
Max. flow for pressure support and spontaneous breathing: 180 L/min (adult), 60 L/min (pediatric)
Valve response time: T0...90 ≤ 5 ms
Control principle: Time cycled, volume constant, pressure-controlled
Safety relief valve: 100 mbar (cmH₂O)

LEAKAGE COMPENSATION

HOSE SYSTEM COMPENSATION

OUTLET FOR PNEUMATIC NEBULIZER

OPERATING DATA
Mains power connection: 110 to 240 V, 50/60 Hz, 10 to 30 V DC (optional)
Power consumption: Approx. 125 W
Gas supply operating pressure: O₂, air: 2.7 to 6 bar / 39 to 87 PSI

PHYSICAL SPECIFICATIONS
Dimensions ventilator (without trolley): 530W x 290H x 450D cm (20.9 x 11.4 x 17.7 inches)
Weight basic unit: Approx. 29 kg (64 lbs.)

MACHINE OUTPUTS
Digital output: Output and reception via an RS 232 C interface
Digital output: Output for independant 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

Note: The technical data given in this publication is for general information and are subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.