

# DRAGER EVITA V800

## ABOUT

The **Dräger Evita V800** Ventilator is an advanced intensive care ventilation system designed to support adult, pediatric, and neonatal patients across a wide range of clinical conditions. Built to provide both invasive and non-invasive ventilation, the system combines high-performance respiratory support with an intuitive touchscreen interface for efficient operation in critical care environments. The Evita V800 supports multiple ventilation therapies, including high flow oxygen therapy and spontaneous breathing support, allowing clinicians to adapt treatment as patient needs change. Its integrated monitoring tools and advanced diagnostic features help caregivers assess lung performance, manage ventilation strategies, and support effective weaning protocols.

## FEATURES

- **Multi-Mode Ventilation Support:** Provides invasive ventilation, non-invasive ventilation, and high flow oxygen therapy for adult, pediatric, and neonatal patients.
- **Advanced Touchscreen Interface:** Glass touch display and intuitive controls allow clinicians to quickly access settings, trends, and patient data.
- **High Flow Therapy Capability:** Supports high flow nasal cannula therapy with flow rates up to 80 L/min and integrated pressure management.
- **Comprehensive Monitoring Tools:** Includes ventilation monitoring, lung assessment features, and diagnostic support to assist with patient management and weaning.

Dräger Evita V800 Specifications



# SPECIFICATIONS



## PATIENT TYPES

Adult  
Pediatric  
Neonatal

## DIMENSIONS & WEIGHT

**Height:** 55.6 in (141.3 cm)  
**Width:** 22.8 in (58.1 cm)  
**Depth:** 30.5 in (77.6 cm)  
**Max Weight:** 293 lb (133 kg)

## MONITOR / DISPLAY

**Screen Size:** 18.3 in  
**Resolution:** 1366 × 768 pixels  
**Aspect Ratio:** 16:9  
**Touchscreen Technology:** Capacitive touchscreen with glass front  
**Input / Output Ports:**

- 3 external RS232 connectors
- 4 USB ports
- 1 LAN port

## VENTILATION MODES

**Volume Controlled Ventilation:** VC-CMV, VC-SIMV, VC-AC, VC-MMV  
**Pressure Controlled Ventilation:** PC-CMV, PC-BIPAP/SIMV+, PC-SIMV, PC-AC, PC-APRV, PC-PSV  
**Spontaneous Breathing Support:** SPN-CPAP/PS, SPN-CPAP/VS, SPN-CPAP, SPN-PPS

## VENTILATION ENHANCEMENTS

AutoFlow® / Volume Guarantee  
Variable Pressure Support  
Automatic Tube Compensation (ATC®)  
SmartCare® / PS 2.0  
Low Flow PV Loop  
Smart Pulmonary View

## THERAPY TYPES

Invasive ventilation (tube/tracheostomy)  
Non-invasive ventilation (NIV)  
O2 therapy

## VENTILATION PERFORMANCE

**Control Principle:** Time-cycled, volume-constant, pressure-controlled

### Respiratory Rate:

- Adults: 0.5 to 98 breaths/min
- Pediatrics: 0.5 to 150 breaths/min
- Neonates: 0.5 to 150 breaths/min

### Tidal Volume:

- Adults: 0.1 to 3.0 L
- Pediatrics: 0.02 to 0.3 L
- Neonates: 0.002 to 0.1 L

### Inspiratory Flow:

- Adults: 2 to 120 L/min
- Pediatrics: 2 to 30 L/min
- Maximum Inspiratory Flow: 180 L/min

**PEEP Range:** 0 to 50 cmH<sub>2</sub>O

**Pressure Support:** 0 to 95 cmH<sub>2</sub>O

**FiO<sub>2</sub> Range:** 21% to 100%

**Trigger Threshold:** 0.2 to 5 L/min

### Base Flow:

- Adults: 2 L/min
- Pediatrics: 3 L/min
- Neonates: 6 L/min

# SPECIFICATIONS



## MONITORING & MEASUREMENTS

Airway Pressure Monitoring  
Tidal Volume Monitoring  
Minute Volume Monitoring  
Respiratory Rate Monitoring  
Dynamic Compliance Monitoring  
Resistance Monitoring  
Leakage Monitoring  
FiO2 Monitoring  
End-Tidal CO2 Monitoring (Adults and Pediatrics)

## WAVEFORM DISPLAYS

Airway Pressure  
Flow  
Volume  
CO2

## ALARM MONITORING

High / Low Minute Volume  
High Airway Pressure  
High / Low FiO2  
High / Low End-Tidal CO2  
High Respiratory Rate  
High / Low Tidal Volume  
Apnea Alarm  
Disconnection Alarm

## BATTERY

### Internal Battery:

- Type: Sealed NiMH battery
- Exchange Interval: 2 years
- Runtime: 30 minutes without GS500, 15 minutes with GS500

### PS500 Power Supply Battery:

- Type: LFP battery
- Exchange Interval: 4 years
- Runtime: 240 minutes without GS500, 120 minutes with GS500

## ELECTRICAL REQUIREMENTS

**Power Input:** 100 to 240 V, 50/60 Hz

**Maximum Power Consumption:** 300 W

## GAS SUPPLY REQUIREMENTS

O2 Supply Pressure: 39 to 87 psi (270 to 600 kPa)

Air Supply Pressure: 39 to 87 psi (270 to 600 kPa)