



The **Dräger Apollo** anesthesia workstation combines a proven design concept with state-of-the-art technology to offer you a workflow-oriented anesthesia platform. Dräger features a common user interface helping improve the eas-of-use and reduce the amount of training to use this anesthesia machine. The E-Vent plus servo controlled high-speed piston ventilator works with great precision to supply a maximum peak flow, resulting in the kind of performance previously only seen in the ICU. Unlike a bellow ventilator, it requires no drive gas.

Features

- User-friendly ergonomics. All functional elements are within easy reach of being seated or standing.
- Unique breathing bag arm design provides the ultimate flexibility.
- Simple, straightforward startup makes it easier for the staff and provides complete information on device status. Integrated breathing system eliminates external hoses and clutter, reducing risk of misconnection and disconnection.
- Fully automatic self-test lasts approximately three minutes, reflects the results to the user, and makes results available at any time.



Specifications

Dimensions

Height: 59 in (150 cm)

Width: 33.5 in (85 cm)

Depth: 31.5 in (80 cm)

Weight: 365 lbs (165 kg) (Without vaporizer and gas cylinders)

Power

Power: 200 W

Operating Voltage: 100 to 127 VAC (- 15 % + 10 %) 45 – 65 Hz

Integrated Power Backup: At least 30 min, typically 90 min; Depending on ventilation parameters

Ventilator

E-Vent Plus: Electrically driven and electronically controlled, fresh gas decoupled

Ventilation Modes: Manual, spontaneous, Volume Mode, Pressure Mode Optional/
Synchronization: Pressure Support (PS), Volume Mode Autoflow

Pressure / Flow

Pressure Limitation P_{MAX} (in Volume Mode): (PEEP + 10) up to 70 cmH₂O

Pressure Limitation P_{INSP} (in Pressure Mode): (PEEP + 5) up to 70 cmH₂O

Trigger: 0.3 – 15 L/min

Tidal volume VT (Compliance Compensated) (in Volume Mode): 20 – 1400 mL; 5 – 1400 mL (with advanced ventilation option)

Breathing Frequency (freq.): 3 – 100 bpm

Inspiration Time (T_{INSP}): 0.2 – 6.7 s

Inspiration / Expiration Time Ratio (I:E): max. 5:1

Plateau Time (T_{IP}:T_{INSP}): 0 – 60 %

Inspiratory Flow (in Pressure Mode): max. 150 L/min

PEEP in Volume Mode: 0 – 20 cmH₂O (max. P_{MAX} – 10 cmH₂O)

PEEP in Pressure Mode: 0 – 20 cmH₂O (max. P_{insp} – 5 cmH₂O)

Fresh-gas Flow: 0 – 10 L/min for each gas (oxygen, air, nitrous oxide)

TSLOPE (in Pressure Mode and Pressure Support): 0 – 2 s

Total System Leakage: < 150 mL/min at 30 cmH₂O (automatic leak test)

O₂ Flow Control: Sensitive ORC function: at least 21 Vol.-% with N₂O as carrier gas

O₂ Flush: > 35 L/min

Gas Supply Connection

Gas Supply: O₂, N₂O, Air

Cylinder Supply: O₂, N₂O, Air

