

The Fabius® Tiro M is a compact anesthesia system that offers the full spectrum of anesthesia ventilation to military anesthesiologists/ CRNAs in the field of operations. This unit can be used in a variety of mobile and stationary military applications where general anesthesia is required. The modular design allows all standard system components to be stored in a single container so that assembly and disassembly of the unit is easily accomplished.

Features

- Compact anesthesia system that offers the full spectrum of anesthesia ventilation to military anesthesiologists.
- Unit can be used in a variety of mobile and stationary military applications where general anesthesia is required.
- Modular design allows all standard system components to be stored in a single container so that assembly and disassembly of the unit is easily accomplished.
- Entire system packs and ships in one container, ensuring delivery of a complete anesthesia machine to the field.
- Simple, modular design allows for full set-up within 15 minutes, without the use of tools.
- Electronically controlled, piston-driven ventilator uses no drive gas, decreasing fresh gas usage overall.
- Easy-to-use interface reduces time required for clinicians to become familiar with the system.



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Drager Fabius Trio M Anesthesia Machine

Specifications

	Dimensions	Container: (W) 30.11 in. x (H) 30.16 in. x (D) 30.11 in
		Fabius Tiro M setup on Container: (W) 49.8 in. x (H) 47.2 in. x (D) 31.9 in.
		Container basic empty weight: 75.4 lbs. /34.2 kg
		Container loaded or setup weight: 198 lbs. /91 kg
	Ambient Conditions	Operation temperature: 50 to 95 °F (10 to 35 °C)
		Storage temperature: 14 to 140 °F (-10 to 60 °C)
		Power supply (rating non-configurable): 100 to 240 VAC, 50/60 Hz, 70 VA
		Battery (supports ventilator and integrated monitor): > 45 min
		Operating modes: Standard: Manual / Spontaneous; Volume Control (VC); Pressure Control (PC); Pressure; Support (PS); Sychronized Volume Controlled; Ventilation w/PS (SIMV/PS)
		Breathing frequency: 4 to 60 bpm
		Positive end-expiratory pressure (PEEP): 0 - 20 cmH2O
		Inspiration/expiration ratio (Ti:Te): 4 : 1 to 1 : 4
		Pressure limiting (Pmax): 15 to 70 cmH2O
		Tidal Volume (VT): 20 to 1400 mL in Volume Control; 20 to 1100 mL in SIMV/PS
		Inspiratory pause (Tip:Ti): 0 to 50 %
		SIMV inspiratory time (Tinsp): 0.3 to 4.0 sec
		Inspiratory pressure (Pinsp): (PEEP + 5) to 65 cmH2O
		Inspiratory flow (InspFlow): 10 to 75 L/min in Volume; and Pressure Control; 10 to 85 L/ min in Pressure Support
		Pressure Support Level (Δ PPS): PEEP +3 to 20 cmH2O
		Min. frequency for apnea-ventilation (Freq. Min.): 3 to 20 bpm and "OFF"
		Trigger: 2 to 15 L/min
		Integrated safety functions: Sensitive Oxygen Ratio Controller (S-ORC) guarantees a minimum O2 concentration of 23% in an O2 /N2O mixture. N2O cut-off if O2 fresh gas valve is closed or if O2 flow is less than 0.2 L/min. Audible and visual (flashing red LED) indication in case O2 pressure drops below 20 psi (1.38 bar) \pm 4 psi (0.27 bar). In case of electricity and battery failure, manual ventilation, gas delivery and agent delivery are possible. Positive pressure relief valve opens at 75 \pm 5 cmH2O. Negative pressure relief valve opens at -7.5 to -9 cmH2O.
		Range of fresh gas flow indicators: 0.00 to 12.0 L/min
		Total fresh gas flow meter: 0 to 10 L/min, calibrated with a mixture of 50% O2 and 50% N2O mixture
		O2 flush (bypass): at 55 psi (3.8 kPa x 100): max. 50 L/min; at 50 psi (3.4 kPa x 100): max. 35 L/min
		Vaporizer Mount: 1 position Dräger mount
		Monitoring: Continuous monitoring of inspiratory O2 concentration, breathing frequency, tidal volume, minute volume, mean or plateau pressure, peak airway pressure as well as PEEP. In addition, all fresh gas flow information is displayed as virtual flow tubes.
		Serial interface: 1 x RS 232 (standard)
		Protocols: Vitalink and Medibus
		Data available for export: All fresh gas flow, ventilation and O2 data, flow curves and pressure curves
		Volume of CO2 absorber: 1.5 Liter, Option: Dräger Medical's prefilled CLIC absorber
		Volume of entire compact breathing system: 2.8 Liter + bag

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