Advanced ventilation technology with reliable and proven breathing system components

The cost-effective Dräger Fabius GS features an ergonomic design that facilitates efficient use and helps you create a productive anesthesia environment. With its modular design you can configure the workstation you require. Plus, the Dräger Fabius GS provides simple software and hardware upgradability as well as an open platform for communication.

Proven Ventilation Versatility
The electrically-driven and electronically-controlled Fabius GS E-vent ventilator requires no drive gas. This makes it more flexible and economical to use than traditional gas-driven bellows ventilators by limiting the consumption of expensive medical grade gas to patient use only. Motor-driven hardware and software-controlled functionality also offer virtually unlimited upgradability. The Fabius GS is suitable for any patient -- pediatric to adult -- and provides Volume Controlled Ventilation, Pressure Controlled Ventilation, Synchronized Volume Control (SIMV), Pressure Support and Manual/Spontaneous modes. Pressure Support mode facilitates spontaneous breathing by removing the work of breathing due to circuit resistance, improving comfort levels and enhancing quality of patient care.

Electronic Gas-Flow Measurement
The Fabius GS features vertical flow controls and electronic fresh gas flow indicators, enabling you to compare gas flows more easily and intuitively. Additionally, the export of fresh gas data to an information system allows monitoring of gas usage and to promotes the use of low-flow anesthesia.

Convenient Breathing System
The flexible, ergonomic design of the Fabius GS allows for optimal positioning of the semi-closed breathing system (COSY). The COSY can be height-adjusted, pre-assembled on the left or right side of the machine and can be easily removed from the machine for cleaning and sterilization. The COSY not only minimizes set-up and installation time but also substantially reduces the potential for leaks, OR pollution and overall gas consumption. It is smart, more ergonomic design.
Technical Specifications

Height x Width x Depth .......................................................... 1460 x 655 x 690 mm
Weight (base unit without vaporizers or cylinders) ........................................... 224 lbs. (101.6 kg)
Dimensions (W) 89.5 cm x (H) 130 cm x (D) 82 cm
(35.2 x 51.2 x 32.3 inches)
Power supply ................................................................. 100 - 240 VAC, 50/60 Hz, 2.3 A max.
Battery (supports ventilator and monitor) ........................................... > 45 min
Ventilator E-vent ................................................................. Electronically controlled, electrically driven
Operating Modes .................................................................
Standard ................................................................. Manual/Spontaneous, Volume Control (IPPV)
Options ................................................................. Pressure Control (PCV), Pressure Support (PS),
Synchronized Volume Controlled Ventilation w/PS (SIMV/PS)
Breathing frequency ................................................................. 4 to 60 bpm
Min. Expiratory Volume ................................................................. 25 L/min
Positive end-expiratory pressure (PEEP) ........................................... 0 - 20 cmH₂O
Inspiratory / Expiration ratio (Ti:Te) ........................................... 4 : 1 to 1 : 4
Pressure limiting (Pmax) ................................................................. 15 - 70 cmH₂O
Tidal Volume (Vt) ................................................................. 20 - 1400 mL in Volume Control
20 - 1100 mL in SIMV/PS
Inspiratory pause (Tip:Ti) ................................................................. 0 - 50 %
SIMV Inspiratory time (Tinsp) .................................................. 0.3 - 4.0 sec
Inspiratory pressure (Pinsp) ................................................................. PEEP + 5 to 65 cmH₂O
Inspiratory flow (InspFlow) ................................................................. 10 - 75 L/min in Volume and Pressure Control
10 - 85 L/min in Pressure Support
Pressure Support Level (Δ PPS) .................................................. PEEP + 3 to 20 cmH₂O
Min. Frequency for Apnea-Ventilation (Freq. Min.) ........................................... 3 - 20 bpm and “OFF”
Trigger ................................................................. 2 - 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) ± 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 ± 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 ................................................................. at 87 psi (6 bar): max. 75 L/min
at 41 psi (2.8 bar): min 25 L/min
Vaporizer mount ................................................................. Dräger or Selectatec mount
Monitoring ................................................................. Continues monitoring of inspiratory O₂ concentration
(can be switched off by Service) 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)
1 x RS 232 (option)
Protocols ................................................................. Vitalink and Medibus
Data available for export ................................................................. All fresh gas flow, ventilation and O₂ data
Volume of CO₂ absorber ................................................................. 1.5 Liter, option: Dräger Medical’s consumable CLIC adsorber
Volume of entire compact breathing system ................................................................. 2.8 Liter + bag