The plus that gives you more
Every day, a new challenge

Is there a premium quality anesthesia solution out there that’s economical to operate? One that can be configured to suit our needs? One that’s simple and reliable?
Take a closer look at the Dräger Fabius® plus

Hospitals around the world are constantly searching for practical, economical solutions to their everyday challenges. With more than 30,000 Fabius family members currently in use in more than 120 countries around the world, it’s clear that for many hospitals the search for quality and reliability often ends with the Fabius plus. Innovative ventilation technology paired with easy operation and maintenance make the Fabius plus a natural choice for many applications.

The Fabius plus combines uncompromising flexibility and enhanced connectivity features that set it apart from so many other platforms. It gives you what you need now and still leaves room for you to grow in the future thanks to a wide range of options that let you expand your capabilities when-ever you need to. The Fabius plus is a sound investment.

PERFORMANCE FEATURES
- Supports all major ventilation modes
- High-contrast monitor with color option
- Wide-base trolley with extra stability for flexible monitor combinations
- Optional wall or ceiling versions
- Solid, spacious design with large drawers (trolley version only)
- Intelligent backup functions help maximize OR uptime
- Standardized Dräger user interface for easy and intuitive operation
- Industry standard rails for additional Dräger and third-party equipment
- CLIC absorber compatible
HIGH-PERFORMANCE VENTILATION
At its core, the Fabius plus features our powerful and accurate E-vent piston ventilator, which requires no drive gas and delivers ICU-like ventilation performance. This means the Fabius plus can handle a wide range of ventilation applications and acuity levels in pediatric and adult patients. All major ventilation modes are supported, including volume control, pressure control, pressure support (PS), and SIMV/PS. But it doesn’t stop there. The Fabius plus comes complete with advanced features such as fresh gas decoupling, which maintains constant tidal volumes regardless of fresh gas flow. Dynamic compliance compensation and backup ventilation for PS modes let you ventilate with greater confidence and control. The Fabius plus can be equipped with two vaporizers for volatile anesthetic agents. The combination of its high-precision ventilator and its leak-tight breathing system design makes the Fabius plus well suited for low-flow ventilation.

In emergency situations, the quick-start feature allows manual ventilation when the device is off, on, or in standby mode for rapid support. Even in the event of a gas supply failure, automatic ventilation can be temporarily continued.

COMPREHENSIVE CONTROL
The Fabius plus features an integrated, high-contrast 6.5-inch monitor which displays all relevant ventilation parameters and a pressure curve. A color option is also available. Gas flow rates are monitored via conventional glass flow tubes.

If you’ve used a Dräger workstation before, then you’re already familiar with Dräger’s standard user interface which features our established select-adjust-confirm concept. This means you’ll be up and running on the Fabius plus in just a short time.

ENHANCED ERGONOMICS AND ECONOMICS
The Fabius plus was designed to suit your work flow, not vice versa. The stable, wide-base trolley makes positioning the Fabius plus both safe and simple. If you prefer, a wall- or a ceiling-mounted version is available.

In the trolley version, three large drawers provide ample storage space for additional equipment and consumables, and a large table facilitates comfortable documentation. The design of the external compact breathing system
(COSY) supports easy assembly and cleaning and can be mounted on either side to suit your individual operating room setup. Because the piston-driven E-vent ventilator requires no drive gas, no costly medical-grade gases are required for operating the ventilator.

The Fabius Plus is compatible with our CLIC absorber which effectively prevents skin contact with soda lime and can be exchanged even during operation. This means you get the most out of every canister. That’s a savings of up to 30% soda lime.

EXPAND YOUR POSSIBILITIES:
CUSTOMIZE ACCORDING TO YOUR NEEDS
Because every hospital working environment is different, the Fabius plus was designed for flexibility. Take advantage of the ample mounting space for additional monitors or IT solutions. Choose from a large selection of Dräger Infinity monitors or even from a list of Dräger-approved third-party monitors. You’ll always have the option to customize the Fabius plus to suit your individual needs. If your requirements change in future, the Fabius plus can change with you. Your Dräger representative will be glad to assist you in choosing the options that are right for you.
Now make the right choice for service: DrägerService®
DrägerService offers a wide range of flexible service options which you can select and combine to meet your individual needs – from technical support to complete, fixed-budget service contracts. Remote Service solutions offer additional potential to improve the uptime of devices.

Options and accessories
A wide array of options and accessories are available to choose from, giving you the power to create exactly the workstation you need:

- Color monitor option
- Breathing system with integrated heater
- Dräger Infinity patient monitors and mounting solutions
- Dräger Vamos gas monitor for volatile agents; CO₂ and SpO₂ options
- Auxiliary O₂ flow meter
- Flip-up side tray
- Medical-grade power strip
- Side basket
- Pin-index mounting for reserve gas cylinders
- Dräger Remote Service Link

Ask your Dräger representative about other members of the Fabius family:

- Fabius® GS premium – the high-performance flagship of the Fabius family
- Fabius® MRI – the Fabius built especially for the MRI suite
## FABiUS® PLUS TECHNICAL DATA

### BASE UNIT

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Trolley version (cart) (incl. COSY)</th>
<th>Approx. 35.8 × 55 × 30.3 in (91 × 140 × 77 cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wall/ceiling version (incl. COSY)</td>
<td>Approx. 33.5 × 28.7 × 19.7 in (85 × 73 × 50 cm)</td>
</tr>
<tr>
<td><strong>Weight and load</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fabius plus Trolley (incl. COSY, incl. 2 Vaporizer mount)</td>
<td>242.5 lb (110 kg)</td>
<td></td>
</tr>
<tr>
<td>Wall and ceiling mount (incl. COSY, incl. Vaporizer mount)</td>
<td>152.1 lb (69 kg)</td>
<td></td>
</tr>
<tr>
<td><strong>Power and battery backup</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power input</td>
<td></td>
<td>100 to 240 VAC, 50/60 Hz, 70 VA</td>
</tr>
<tr>
<td>Operation time with fully charged batteries</td>
<td>Minimum 45 minutes (up to 120 minutes)</td>
<td></td>
</tr>
</tbody>
</table>

### ANESTHESIA GAS SUPPLY MODULE

| Range of fresh gas flow indicators | 0.05 to 12.0 l/min |  
| O₂ flush                           | At 87 psi (6 bar): max. 75 l/min  
| At 41 psi (2.8 bar): min 25 l/min   |  
| **Vaporizer mount**                | Vapor Dräger or Selectatec®  
| Optional standby vaporizer parking holder |  

### VENTILATOR OPERATING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Ventilator E-vent®</th>
<th>Electronically controlled, electrically driven</th>
</tr>
</thead>
</table>
| **Operating modes**                 | Standard:  
Manual/spontaneous  
Volume control (VC)  
Option: pressure control (PC)  
Option: pressure support (PS)  
Option: synchronized volume control  
Ventilation with PS (SIMV/PS) |
| **Control input ranges**            | 4 to 60 bpm  
Positive end expiratory pressure (PEEP) | 0 to 20 cm H₂O  
Inspiration/expiration ratio (T:Te) | 4:1 to 1:4  
Pressure limiting (Pmax) | 15 to 70 cm H₂O  
Tidal volume (V̇) | 20 to 1,400 ml in volume control  
20 to 1,100 ml in SIMV/PS  
Inspiration pause (Ṫp:Ti) | 0 to 50%  
SIMV inspiratory time | 0.3 to 4.0 s  
Inspiratory pressure (Pinsp) | PEEP +5 to 65 cm H₂O  
Inspiratory flow (InspFlow) | 10 to 75 l/min in volume and pressure control  
10 to 85 l/min in pressure support  
Pressure support level (PPS) | PEEP +3 to 20 cm H₂O  
Min. frequency for apnea ventilation (freq. in min.) | 3 to 20 bpm and “OFF”  
Trigger level | 2 to 15 l/min |
### FABİUS® PLUS TECHNICAL DATA

**Integrated safety functions**  
Sensitive oxygen ratio controller (S-ORC) delivers/provides a minimum O₂ concentration of 23% in an O₂/N₂O mixture. N₂O is cut off if the O₂ fresh gas valve is closed or if O₂ flow is less than 0.2 l/min. Audible and visual (flashing red LED) indications turn on in the event O₂ pressure drops below 20 psi (1.38 bar) ±4 psi (0.27 bar). In the event of electricity and battery failure, manual, ventilation, gas delivery and agent delivery, are possible. Positive pressure relief valve opens at 75 ±5 cm H₂O. Negative pressure relief valve opens at –8 ±2 cm H₂O.

**Ventilator monitoring**  
**Monitoring**  
Continuous monitoring of inspiratory O₂ concentration (optional), breathing frequency, tidal volume expiration, expiratory minute volume, peak airway pressure, PEEP, and selection of mean or plateau pressure.

**Expiratory minute volume range**  
0 to 99 l/min

**Control screen**  
6.5 in (16.5 cm); black/amber (color mode option)

### BREATHING SYSTEM

- **Volume of entire compact breathing system**: 1.7 l plus bag
- **Volume of CO₂ absorber**: 1.5 l (standard)  
  [Option: prefilled DrägerSorb CLIC absorber with 1.2 l volume]

### GAS SUPPLY AND CONNECTION

- **Gas supply**: O₂, N₂O, and air
- **Cylinder yokes**: O₂ and N₂O pin-indexed hanger yokes

### OTHER

- **Communication interface**: 1 x RS 232 (standard)
- **Protocols**: Vitalink and Medibus
- **Data available for export**: All alarms, pressure, O₂ and volume data, ventilations settings, flow curve, and pressure curve
- **Pull-out tray (standard)**
- **Additional accessories**: Anesthetic gas scavenging system (AGSS), endotracheal suction unit, and integrated O₂ flow tube

Selectatec® is a registered trademark of GE – Datex-Ohmeda.

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From September 2010:  
Dräger Medical AG & Co. KG changes into Dräger Medical GmbH

Manufacturer:  
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The quality management system at  
Dräger Medical AG & Co. KG is  
certified according to ISO 13485,  
ISO 9001 and Annex II.3 of Directive  
93/42/EEC (Medical devices).