

# Dräger Fabius® plus XL

## Reliability goes XL

The Fabius plus XL combines proven German engineering you can count on with high performance ventilation therapy. Thanks to its scalable design concept, it allows you to choose the quality workstation you want now without losing sight of your future goals and needs.



### BASE UNIT

#### DIMENSIONS (W X H X D)

Standard Trolley Version (Cart) with COSY with 2 Vaporizers	Approx. 35.8 x 56.7 x 30.3 in (91 x 144 x 77 cm)
High Trolley Version (Cart) with COSY with 2 Vaporizers	Approx. 35.8 x 59 x 30.3 in (91 x 150 x 77 cm)
Wall / Ceiling Version with COSY with 2-Vaporizers	Approx. 33.5 x 30.7 x 19.7 in (85 x 78 x 50 cm)

#### WEIGHT AND LOAD

Standard Trolley (with COSY) without supplementary cylinders and vaporizers	297,6lb (135 kg)
High Trolley (with COSY) without reserve-gas cylinders and vaporizers	308,7lb (140 kg)
Wall and Ceiling Mount (with COSY and without supplementary cylinders and vaporizers)	152.1 lb (69 kg)

#### POWER AND BATTERY BACKUP

Power Input	100 to 240 VAC, 50/60 Hz, 70 VA
Operation time with fully charged batteries	45 minutes minimum (up to 120 minutes)

#### ANESTHESIA GAS SUPPLY MODULE

Range of fresh gas flow indicators	0.0 to 12.0 L/min
O <sub>2</sub> flush	max. 75 L/min at 87 psi (6 kPa x 100)
Vaporizer	Up to two Dräger or Selectatec®, optional vaporizer standby holder Dräger or Selectatec

#### VENTILATOR OPERATING SPECIFICATIONS

Ventilator E-vent®	Electronically controlled, electrically driven
Operating modes	Volume Controlled Ventilation Pressure Controlled Ventilation (Optional) Pressure Support (Optional) SIMV/PS (Optional) Manual Ventilation Spontaneous Breathing

#### CONTROL INPUT RANGES

Breathing Frequency (rate)	4 to 60 bpm (1/min)
Positive End Expiratory Pressure (PEEP)	0 to 20 cmH <sub>2</sub> O (hPa)
Inspiration/expiration ratio (Ti:Te)	4:1 to 1:4
Pressure limiting (Pmax)	15 to 70 cmH <sub>2</sub> O (hPa)
Tidal Volume (Vt)	20 to 1400 mL in Volume Control 20 to 1100 mL in SIMV/PS



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Inspiration pause (Tip:Ti)	0 to 50 %
SIMV Inspiratory time	0.3 - 4.0 sec
Inspiratory pressure (Pinsp)	PEEP + 5 to 65 cm H <sub>2</sub> O (hPa)
Inspiratory Flow (InspFlow)	10 to 75 L/min in Volume and Pressure Control modes 10 to 85 L/min in Pressure Support and SIMV/PS modes
Pressure Support Level (PPS)	PEEP + 3 to 20 cmH <sub>2</sub> O (hPa)
Min. frequency for apnoe-ventilation (Freq. Min.)	3 to 20 bpm and "OFF"
Trigger level	2 to 15 L/min
Integrated Safety Functions	Sensitive Oxygen Ratio Controller (S-ORC) guarantees a minimum O <sub>2</sub> concentration of 23% in an O <sub>2</sub> /N <sub>2</sub> O mixture. N <sub>2</sub> O cut-off if O <sub>2</sub> fresh gas valve is closed or if O <sub>2</sub> flow is less than 0.2 L/min. Audible and visual (flashing red LED) indication in case O <sub>2</sub> pressure drops below 1.38 bar (20 psi) ± 0.27 bar (4 psi). In case of electricity and battery failure, manual ventilation, gas delivery and agent delivery are possible. High Pressure Safety Relief Valve opens at 75 ± 5 cmH <sub>2</sub> O (hPa). Negative Pressure Safety Relief Valve opens at -8 ± 2 cmH <sub>2</sub> O (hPa).

**VENTILATOR MONITORING**

Monitoring	Continuous monitoring of inspiratory O <sub>2</sub> 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	10.4 in (26,4 cm) TFT color screen, day and night mode

**BREATHING SYSTEM**

Optional breathing system heater	yes
Volume of entire compact breathing system, with absorber, excl. hoses, excl. bag	1.7 L
Volume of CO <sub>2</sub> absorber	Standard: 1.5 L reusable canister, Option: 1.2 L prefilled Drägerorb CLIC absorber
Mounting	on swivel arm, left or right, height adjustable

**GAS SUPPLY AND CONNECTION**

Gas Supply Versions	O <sub>2</sub> / N <sub>2</sub> O/ Air, O <sub>2</sub> / Air, O <sub>2</sub> / N <sub>2</sub> O
Cylinder Supply Versions (optional)	O <sub>2</sub> , O <sub>2</sub> / Air, O <sub>2</sub> / N <sub>2</sub> O, 1 or 2 standing gas cylinders, pin-index hanger yokes for 2 cylinders

**OTHER**

Communication Interface	1 RS-232 standard, additional RS-232 optional
Protocols	Vitalink and MEDIBUS
Data available for Export	All alarms, pressure, O <sub>2</sub> and volume data, ventilation settings, flow curve and pressure curve
Power outlets	2 integrated, medical grade power outlets with circuit breakers (option)
Writing surfaces	Pull-out tray (standard), Flip-up tray (optional)
Additional accessories	Anesthetic gas scavenging system (AGSS), endotracheal suction unit, integrated auxiliary oxygen flowmeter, auxiliary common gas outlet (CGO), low flow kit, power outlet strip
Mounting options	mounting rails on side and rear panels, side/ top mountings for patient monitor, patient gas measurement module, infusion pumps, infusion bags, storage basket

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