Dräger Savina®
Sub-Acute Care Ventilation

Maintain high standards of ventilation therapy for adult and paediatric patients of all acuity levels, even in challenging environments.

MT-0030-2008

Dräger. Technology for Life®

Benefits

Clinical advancements in and out of the ICU

The Dräger Savina is an advanced, high-quality ICU ventilator that offers excellent ventilation performance combined with easy operation. Designed for both adult and paediatric ventilation, the Savina provides advanced therapy at any acuity level.

Comprehensive safety concept

An integrated safety concept makes the Savina the natural choice for challenging environments, such as rural areas, earthquake zones or regions with erratic unreliable power grids. Its internal battery can bridge power failures of up to an hour, while an optional external battery can extend that range to 5 hours. Because air is supplied via an internal turbine, the Savina requires no external source of compressed air – perfect for settings with limited infrastructure or where frequent transports are necessary. Integrated safeguard sensors for minute volume, airway pressure and 0_2 concentration ensure enhanced patient safety.

Increased flexibility

The Savina gives you a full range of ventilation modes, both pressure- and volume-oriented, as well as pressure support, spontaneous breathing and non-invasive ventilation options. Built for adult and paediatric patients of all acuity levels, the Savina provides modern ventilation therapy for a very wide range of patients, situations and clinical settings.

Support the recovery process at every stage

The Savina's AutoFlow® feature brings the benefits of spontaneous breathing to volume-oriented modes. BIPAP1 combines pressure-oriented ventilation with spontaneous breathing at any time and at any pressure level. The Savina's non-invasive ventilation capabilities are further enhanced by highly sensitive triggering and effective leak management systems. Together, these features can help you reduce ventilation times, promote the weaning process, avoid reintubation and reduce the rate of pulmonary complications related to intubation.

Simple and effective user interface

An intuitive user interface makes learning to use the Dräger Savina easy. Simply select a parameter, change the parameter and confirm that change. Changes are visually supported on the high-resolution colour display. The Savina can also display your choice of static, dynamic, graphic or numeric real-time or trend data on an optional 12" colour touch screen.

Related Products

MT-0497-2007

Dräger Carina®

Designed for non-invasive ventilation: With its unique SyncPlus® technology and an extended NIV function, the user-friendly Dräger Carina® offers reliable and easy ventilation – and thanks to its compact design, this also applies when transporting patients.

MT-6073-2008

Dräger Evita® Infinity® V500 ventilator

Combine fully-featured, high-performance ventilation with Infinity® Acute Care System™ integration to meet the challenges of today's health care environment.

D-43497-2012

Evita® V300

The Evita® V300 is a scalable and versatile device which offers high ventilation quality. To meet and master the changing conditions and challenges of your everyday hospital work you need flexible equipment with versatile opportunities.

D-46411-2012

Dräger Savina® 300

The Dräger Savina® 300 combines the independence and power of a turbine-driven ventilation system with state-of-the-art ventilation modes. The large color touch screen and intuitive operating system that concentrates on essential features make configuration and operation very simple.

Technical Data

Ventilation modes	
	– IPPV (CMV), IPPVAssist (CMVAssist) – SIMV, SIMVASB (SIMV/PS) – CPAP, CPAPASB (CPAP/PS) – BIPAP[1], (PCV+) (optional), BIPAP[1]ASB (PCV+/PS) (optional)
Enhancements	
	– NIV – Non Invasive Ventilation with optimized alarm system and automatic leakagecompensation (optional) – AutoFlow® – Automatic adaptation of the inspiratory flow in volume orientated ventilation modes (optional) – LPO - Low Pressure Oxygen. Independant oxygen supply, e.g. with an O_2 concentrator (optional) – Graphic screen - Advanced ventilation monitoring (optional), – Nurse call - Connection for transmitting alarm signals to a central alarm system (optional)
Patient type	Adult, pediatric
Ventilation frequency	2 to 80 bpm
Inspiration time	0.2 to10 s
Tidal volume	0.05 to 2.0 L, BTPS[2]
Inspiratory flow	0 to180 L/min
Inspiratory pressure	0 to 99 mbar[3] (cmH_2O)
PEEP/interm. PEEP	0 to 35 mbar (cmH_2O)
Pressure support/ASB	0 to 35 mbar (cmH_2O) (relative to PEEP)
Flow acceleration	5 to 200 mbar/s (cmH_2O/s)
O_2-concentration	21 to100 Vol. %
Trigger sensitivity	1 to15 L/min

Measured value display	
Airway pressure measurements	Peak pressure, plateau pressure, mean airway pressure, PEEP 0 -100 mbar (cmH_2O)
Minute volume (MV)	Total MV, spontaneous MV 0 to 99 L/min, BTPS
Tidal volume VT	Inspiratory VT, expiratory VT 0 to 3999 mL, BTPS
Breathing frequency	Total and spontaneous breathing frequency, 0 -150 bpm
Inspiratory O_2-concentration	21 to100 Vol. %
Breathing gas temperature	18 to 48 °C (sensor optional)
Curve displays	Airway pressure / time, flow / time
Ventilation ratio (I:E)	150:1 to 1:150

Alarms	
Airway pressures	high / low
Expiratory minute volume	high / low
Tidal volume	high / low
Apnea-alarm time	15 to 60 sec
Spontaneous breathing frequency	high
Inspiratory O_2-concentration	high / low

Technical Data

Inspiratory breathing gas temperature	high

Performance data

Maximum flow for pressure assist/ spontaneous breathing	180 L/min
Valve response time T0...90	≤ 5 ms
Control principle	time-cycled, volume-constant, pressure-controlled
Safety valve opening pressure	100 mbar (cmH_2O)
Emergency valve	automatically enables spontaneous breathing with filtered ambientair if air and O_2 supply should fail.
Automatic gas switch-over function if O_2 supply fails	
Output for pneumatic medicament nebuliser	synchronized with inspiration

Operating data

Main power connection	100 V to 240 V, 50/60 Hz AC, 10 to 36 V DC
Typical power consumption	100 W
Internal battery	approx. 60 min (optional extension up to 7 h)

Digital machine outputs

	Digital output and input via an RS 232 C interface, Dräger Medibus standard

Gas supply

Air	Turbine technology
O_2 gas supply	3 bar (39 psi) to 10 % up to 6 bar (87 psi)

Dimensions and weights

Dimensions W x H x D (without trolley)	380 x 383 x 358 mm (15.0 x 156.1 x 14.1 inches)
Weight (basic device)	approx. 24 kg (53 lbs.)
Diagonal screen size	6.1" TFT color screen

[1] BIPAP – Trademark used under licence

[2] BTPS – Body Temperature Pressure Saturated. Measured values relating to the conditions of the patient lung, Body temperature 37 °C, steam-saturated gas, ambient pressure.

[3] 1 mbar = 100 Pa, AutoFlow®, Trademark by Dräger

Notes

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As of August 2015

Dräger Medical GmbH changes to Drägerwerk AG & Co. KGaA

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