

The advanced Dräger Savina is easy to use and versatile

The dependable Dräger Savina can help you face clinically challenging environments. It is easy to use and combines excellent ventilation performance, quality and versatility.

- Helps minimize risk to the patient
- Adapts to altering needs with ease
- Can support weaning
- Promotes long-term ventilation and recovery



Ventilation performance that is excellent and flexible

- With its open breathing system, the Savina enables spontaneous breathing at any time and any pressure level in all ventilation modes during ventilation cycles
- Features an internal turbine that removes the need for air cylinders or an external compressor
- Navigate power failures and support mobility with an internal battery
- Multiple ventilation modes accommodate various acuity levels and patient populations

High quality; includes safety concept

- Precise, endurable O₂ dosage enabled by nine rubies
- Independent, unseen "bodyguards" for improving safety for the patient, and backup twin sensors for airway pressure, FiO₂ and minute volume

Design promotes easy use

- Access to key settings for ventilation
- Minimized training time via an intuitive operating concept
- Color screen is bright and high res for high visibility, from up close and a long range
- Attractive in most clinical environments

Technical Specifications

Ventilation Mode: PPV (CMV), IPPVAssist (CMVAssist), SIMV, SIMVASB (SIMV/PS)CPAP, CPAPASB (CPAP/PS), BIPAP¹(PCV+) (optional), BIPAP¹ASB (PCV+/PS) (optional)

Enhancements:

- NIV – Non Invasive Ventilation with optimized alarm system and automatic leakage compensation (optional)
- AutoFlow®– Automatic adaptation of the inspiratory flow in volume orientated ventilation modes (optional).
- LPO - Low Pressure Oxygen. Independent oxygen supply, e.g. with an O₂ 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
Tidal volume	0.05 to 2.0 L, BTPS ²)
Inspiratory flow	0 to 180 L/min
Inspiratory pressure	0 to 99 mbar ³) (cmH ₂ O)
PEEP/interm. PEEP	0 to 35 mbar (cmH ₂ O)
Pressure support/ASB	0 to 35 mbar (cmH ₂ O) (relative to PEEP)
Flow acceleration	5 to 200 mbar/s (cmH ₂ O/s)
O₂-concentration	21 to 100 Vol. %
Trigger sensitivity	1 to 15 L/min

Measured value display

Airway pressure measurements	Peak pressure, plateau pressure, mean airway pressure, PEEP 0 - 100 mbar (cmH ₂ O)
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 O₂-concentration	21 to 100 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
Apnoea-alarm time	15 to 60 sec
Spontaneous breathing frequency	High
Inspiratory O₂-concentration	High / low
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 ₂ O)
Emergency valve	Automatically enables spontaneous breathing with filtered ambient air if air and O ₂ supply should fail.
Automatic gas switch-over function if O₂ 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
O₂ gas supply	3 bar (39 psi) to 10 % up to 6 bar (87 psi)

Dimensions and weights

Dimensions W x H x D	380 x 383 x 358 mm (15.0 x 156.1 x 14.1 inches) (without trolley)
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