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
Dräger Savina
Ventilator

Technical Specifications

Ventilation Mode: PPV (CMV), IPPVAssist (CMVAssist), SIMV, SIMVASB (SIMV/PS)CPAP, CPAPASB (CPAP/PS), BIPAP three levels (optional), BIPAP ASB (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, BTPS²
Inspiratory flow: 0 to 180 L/min
Inspiratory pressure: 0 to 99 mbar³ (cmH₂O)
PEEP/interm. PEEP: 0 to 35 mbar (cmH₂O)
Pressure support/ASB: 0 to 35 mbar (cmH₂O) (relative to PEEP)

Flow acceleration: 5 to 200 mbar/s (cmH₂O/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 (cmH₂O)
Minute volume (MV): Total MV, spontaneous MV 0 to 99 L/min, BTPS²
Tidal volume VT: Inspiratory VT, expiratory VT 0 to 3999 mL, BTPS²
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 (cmH₂O)
Emergency valve: Automatically enables spontaneous breathing with filtered ambient air if air and O₂ 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: Approx. 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