

Dräger Savina® 300

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



TECHNICAL DATA

Ventilation modes	<ul style="list-style-type: none"> - VC-CMV / VC-AC - VC-SIMV - PC-BIPAP - SPN-CPAP
Enhancements	<ul style="list-style-type: none"> - NIV – Non Invasive Ventilation with optimized alarm systems and automatic leakagecompensation (optional). - AutoFlow® – Automatic adaption of the inspiratory flow in volume orientated ventilation modes (optional). - LPO - Low Pressure Oxygen. Independant oxygen supply, e.g. with an O₂ concentrator (optional) - Nurse call - Connection for transmitting alarm signals to a central, alarm system (optional)
Patient type	Adult, pediatric
Respiratory rate	2/min to 80/min
Inspiration time	0.2 to 10 s
Tidal volume	0.05 to 2.0 L, BTPS ²⁾
Inspiratory pressure	1 to 99 mbar (or hPa or cmH ₂ O)
PEEP/interm. PEEP	0 to 35 mbar (or hPa or cmH ₂ O)
Pressure support/ASB	0 to 35 mbar (or hPa or cmH ₂ O) (relative to PEEP)
Flow acceleration	5 to 200 mbar/s (or hPa/s or cmH ₂ O/s)
O ₂ -concentration	21 to 100 Vol. %
Trigger sensitivity	1 to 15 L/min

Displayed measured values

Airway pressure measurements	Max. airway pressure, plateau pressure, mean airway pressure, PEEP 0 to 99 mbar (or hPa or 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
Leakage-compensated inspiratory measured tidal volume	VT _{pat}
Breathing frequency	Total and spontaneous respiratory rate, 150/min
Inspiratory O ₂ -concentration	21 to 100 % Vol.
Breathing gas temperature	18 to 48 °C (64.4 to 118.4 °F)
Curve displays	Airway pressure, flow, tidal volume
Ventilation ratio (I:E)	150:1 to 1:150



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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
Inspiratory breathing gas temperature	high

Performance data

Maximum continuous flow for pressure assist/ spontaneous breathing	180 L/min
Valve response time T0...90	≤ 5 ms
Control principle	time-cycled, volume-controlled pressure
Safety valve opening pressure	120 mbar (or hPa or 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 O ₂ supply fails	
Output for pneumatic medicament nebuliser	synchronized with inspiration

Operating data

Mains power connection	100 V to 240 V, 50/60 Hz AC
Current consumption	max. 1.3 A at 230 V, max. 3.4 A at 100 V
Internal battery	approx. 45 min (optional extension up to 5 h)

Digital machine outputs

Digital output and input via an RS 232 C interface Dräger MEDIBUS standard	
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Gas supply

Air	Turbine technology
O ₂ gas supply	3 bar (43.5 psi) to 10 % up to 6 bar (87 psi)

Dimensions and weights

Dimensions W x H x D (without trolley)	460 x 383 x 364 ±2 mm (18.11 x 15.08 x 14.33 ±0.08 inch)
Weight (basic device)	approx. 26 kg (57.3 lbs) without trolley
Diagonal screen size	12" TFT color touch screen

¹⁾ BIPAP – Trademark used under licence

²⁾ BTPS – Body Temperature Pressure Saturated.

Measured values relating to the conditions of the patient lung (98.6 °F), steam-saturated gas, ambient pressure.

³⁾ 1 mbar = 100 Pa,

AutoFlow® - Trademark by Dräger

HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany

www.draeger.com

**REGION EUROPE CENTRAL
AND EUROPE NORTH**

Dräger Medical AG & Co. KG
Moislinger Allee 53–55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

**REGION MIDDLE EAST, AFRICA,
CENTRAL AND SOUTH AMERICA**

Dräger Medical AG & Co. KG
Branch Office Dubai
Dubai Healthcare City, P.O. Box 505108
Dubai, United Arab Emirates
Tel + 971 436 24 762
Fax + 971 436 24 761
contactuae@draeger.com

Manufacturer:

Dräger Medical AG & Co. KG
23542 Lübeck, Germany
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).

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

REGION EUROPE SOUTH

Dräger Médical S.A.S.
Parc de Haute
Technologie d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
dlmfr-contact@draeger.com

REGION ASIA / PACIFIC

Dräger Medical
South East Asia Pte Ltd
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com