Draeger Savina Ventilator

Specifications

Ventilation modes	– IPPV (CMV), IPPVAssist (CMVAssist) – SIMV, SIMVASB (SIMV/PS) – CPAP, CPAPASB (CPAP/PS) – BIPAP1), (PCV+) (optional), BIPAP1)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 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
Inspiration time	0.2 to10 s
Tidal volume	0.05 to 2.0 L, BTPS2)

Inspiratory flow	0 to180 L/mi
Inspiratory pressure	0 to 99 mbar 3 (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 to100 Vol. %
Trigger sensitivity	1 to15 L/min

Measured value display

Airway pressure	Peak pressure, plateau pressure, mean airway pressure,
Measurements	PEEP 0 -100 mbar (cmH2O)
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 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	
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 ambientair 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	6.1" TFT color screen