Draeger Savina Ventilator

Features:
- The Dräger Savina® is an advanced, high-quality ICU ventilator that offers excellent ventilation performance combined with easy operation. Designed for both adult and pediatric ventilation, the Savina® provides advanced therapy at any acuity level.
- Comprehensive safety concept
- Increased flexibility
- Supports the recovery process at every stage
- Simple and effective user interface

Specifications

Ventilation modes
- IPPV (CMV), IPPVAssist (CMVAssist)
- SIMV, SIMV/ASB (SIMV/PS)
- CPAP, CPAP/ASB (CPAP/PS)
- BIPAP1, (PCV+) (optional), BIPAP1/ASB (PCV+/PS) (optional)

Enhancements
- NIV – Non Invasive Ventilation with optimized alarm system and automatic leakagewcompensation (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

Inspiration time
- 0.2 to 10 s

Tidal volume
- 0.05 to 2.0 L, BTPS2)

Inspiratory flow
- 0 to 180 L/min

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)
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow acceleration</td>
<td>5 to 200 mbar/s (cmH2O/s)</td>
</tr>
<tr>
<td>O2-concentration</td>
<td>21 to 100 Vol. %</td>
</tr>
<tr>
<td>Trigger sensitivity</td>
<td>1 to 15 L/min</td>
</tr>
<tr>
<td><strong>Measured value display</strong></td>
<td></td>
</tr>
<tr>
<td>Airway pressure</td>
<td>Peak pressure, plateau pressure, mean airway pressure,</td>
</tr>
<tr>
<td>Measurements</td>
<td>PEEP 0 - 100 mbar (cmH2O)</td>
</tr>
<tr>
<td>Minute volume (MV)</td>
<td>Total MV, spontaneous MV 0 to 99 L/min, BTPS</td>
</tr>
<tr>
<td>Tidal volume VT</td>
<td>Inspiratory VT, expiratory VT 0 to 3999 mL, BTPS</td>
</tr>
<tr>
<td>Breathing frequency</td>
<td>Total and spontaneous breathing frequency, 0 - 150 bpm</td>
</tr>
<tr>
<td>Inspiratory O2-concentration</td>
<td>21 to 100 Vol. %</td>
</tr>
<tr>
<td>Breathing gas temperature</td>
<td>18 to 48 °C (sensor optional)</td>
</tr>
<tr>
<td>Curve displays</td>
<td>Airway pressure / time, flow / time</td>
</tr>
<tr>
<td>Ventilation ratio (I:E)</td>
<td>150:1 to 1:150</td>
</tr>
<tr>
<td><strong>Alarms</strong></td>
<td></td>
</tr>
<tr>
<td>Airway pressures</td>
<td>high / low</td>
</tr>
<tr>
<td>Expiratory minute volume</td>
<td>high / low</td>
</tr>
<tr>
<td>Tidal volume</td>
<td>high / low</td>
</tr>
<tr>
<td>Apnea-alarm time</td>
<td>15 to 60 sec</td>
</tr>
<tr>
<td>Spontaneous breathing frequency</td>
<td>high</td>
</tr>
<tr>
<td>Inspiratory</td>
<td></td>
</tr>
<tr>
<td>O2-concentration</td>
<td>high / low</td>
</tr>
<tr>
<td>Inspiratory breathing gas</td>
<td>high</td>
</tr>
<tr>
<td>temperature</td>
<td></td>
</tr>
<tr>
<td><strong>Performance data</strong></td>
<td></td>
</tr>
<tr>
<td>Maximum flow for pressure</td>
<td>180 L/min</td>
</tr>
<tr>
<td>Valve response time T0…90</td>
<td>≤ 5 ms</td>
</tr>
<tr>
<td>Control principle</td>
<td>time-cycled, volume-constant, pressure-controlled</td>
</tr>
<tr>
<td>Safety valve</td>
<td></td>
</tr>
<tr>
<td>opening pressure</td>
<td>100 mbar (cmH2O)</td>
</tr>
<tr>
<td>Emergency valve</td>
<td>automatically enables spontaneous breathing with filtered ambientair if air and O2 supply should fail.</td>
</tr>
<tr>
<td>Automatic gas switch-over function if O2 supply fails</td>
<td></td>
</tr>
<tr>
<td>Output for pneumatic medicament nebuliser</td>
<td>synchronized with inspiration</td>
</tr>
<tr>
<td><strong>Operating data</strong></td>
<td></td>
</tr>
<tr>
<td>Main power connection</td>
<td>100 V to 240 V, 50/60 Hz AC, 10 to 36 V DC</td>
</tr>
<tr>
<td>Typical power consumption</td>
<td>100 W</td>
</tr>
</tbody>
</table>
**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
- O2 gas supply

<table>
<thead>
<tr>
<th>Gas supply</th>
<th>Turbine technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 bar (39 psi) to 10 % up to 6 bar (87 psi)</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions and weights**
- Dimensions W x H x D
- Weight (basic device)
- Diagonal screen size

<table>
<thead>
<tr>
<th>Dimensions W x H x D</th>
<th>380 x 383 x 358 mm (15.0 x 156.1 x 14.1 inches) (without trolley)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (basic device)</td>
<td>approx. 24 kg (53 lbs.)</td>
</tr>
<tr>
<td>Diagonal screen size</td>
<td>6.1” TFT color screen</td>
</tr>
</tbody>
</table>

Soma Technology, Inc. acknowledges all registered trademarks of manufacturers’ listed. The technical data given in this publication are for general information and are subject to change without notice.