Airox™ Supportair™
Ventilator
A versatile hospital ventilator with a titration platform that enables a smooth transition to the patient’s home care ventilator

**TITRATION PLATFORM**
The Supportair™ ventilator is designed for hospitalized patients suffering from chronic respiratory failure (CRF). Its versatility and numerous functions allow it to be used with patients from the time they are admitted at hospital for acute exacerbation until they are stabilized and ready to go back home.

The Supportair ventilator is an ideal choice for intensive care units (ICU), respiratory assistance units, continuous care and observation units, the pneumology department and other clinical areas.

**SETTINGS PORTABILITY**
Settings and parameters are defined and validated step by step with the Supportair ventilator. These settings can then be easily transferred onto any Airox™ home care ventilator, making the prescription phase easy and accurate.

**VERSATILE FEATURES**
The Supportair ventilator offers numerous features and functions, including:
- Noninvasive and invasive ventilation
- Leakage and valve ventilation
- Volumetric (CV / ACV / SIMV) and pressure support (CPAP / PSV-S / PSV-ST / PCV / PACV) ventilation
- For adult and pediatric patients weighing ≥5 kg
- Ventilation with single or double branch circuits
- Oxygen blender allows FiO₂ adjustment from 21% to 100%
- Complete monitoring: pressure, flow, curves, loops, SpO₂
- Comprehensive ventilatory functions: V̇ Target, Ti min/max, 100% O₂, etc.
- Internal battery provides up to 10 hours of operation
The Supportair ventilator offers a complete solution for patient management, particularly during periods of ventilation instability and during titration.

**VT TARGET FEATURE**
The VT Target feature allows you to set a volume target within pressure control mode, thanks to automatic pressure adjustment. As patients sleep and move about, VT Target works to maintain the established tidal volume setting (when in pressure mode) to improve alveolar ventilation optimization, potentially reducing nocturnal hypoventilation.

**O2 INTEGRATED BLENDER**
The Supportair ventilator is equipped with a high pressure oxygen inlet (wall oxygen) and an integrated blender that allows FiO₂ to be adjusted from 21% to 100%. A specific button allows O₂ induction at 100% for two minutes (for suction, etc.). Moreover, FiO₂ monitoring and associated alarm configurations can be seen directly on the ventilator display.

**MONITORING DISPLAY**
To optimize titration, especially during periods of ventilation instability, a specific monitoring display includes all the monitored parameters—in curves, loops or numeric values—thus providing a complete view of ongoing ventilation at a glance.
ADJUSTABLE VENTILATION PARAMETERS

To make ventilator setup more convenient, the Supportair ventilator has a parameter settings menu specific to each mode, whether it is active or not. The menu includes a list of adjustable parameters, a pressure bar graph and a monitoring window.

SUMMARY OF ADJUSTABLE VENTILATION PARAMETERS CHART

<table>
<thead>
<tr>
<th>VENTILATION MODES</th>
<th>CPAP</th>
<th>PSV-S / PSV-ST</th>
<th>PCV / PACV</th>
<th>CV/ACV</th>
<th>SIMV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tidal volume ( (V_t) )</td>
<td>•</td>
<td></td>
<td>•</td>
<td>50 - 2000 mL</td>
<td>50 - 2000 mL</td>
</tr>
<tr>
<td>( V_t ) TARGET</td>
<td>•</td>
<td>50 - 2000 mL</td>
<td>50 -2000 mL</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Maxi P</td>
<td>•</td>
<td>8 - 60 mbar</td>
<td>8 - 60 mbar</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Sigh</td>
<td>•</td>
<td></td>
<td>•</td>
<td>yes/no</td>
<td></td>
</tr>
<tr>
<td>Sigh ( V_t )</td>
<td>•</td>
<td></td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sigh rate</td>
<td>•</td>
<td></td>
<td>•</td>
<td>50–250 cycles</td>
<td></td>
</tr>
<tr>
<td>Inspiratory pressure (IPAP)</td>
<td>•</td>
<td>5 - 60 mbar</td>
<td>5 - 60 mbar</td>
<td>•</td>
<td>5 - 40 mbar</td>
</tr>
<tr>
<td>Expiratory pressure (EPAP)</td>
<td>•</td>
<td>0 - 20 mbar</td>
<td>0 - 20 mbar</td>
<td>0 - 20 mbar</td>
<td>0 - 20 mbar</td>
</tr>
<tr>
<td>CPAP</td>
<td>4 - 20 mbar</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Rise Ti</td>
<td>•</td>
<td>1 - 4</td>
<td>1 - 4</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Rate</td>
<td>•</td>
<td>4 - 40 bpm</td>
<td>5 - 60 bpm</td>
<td>5 - 60 bpm</td>
<td>5 - 40 bpm</td>
</tr>
<tr>
<td>I/E ratio</td>
<td>•</td>
<td>1.0 - 3.0</td>
<td>1.0 - 3.0</td>
<td>1.0 - 3.0</td>
<td></td>
</tr>
<tr>
<td>I/T ratio</td>
<td>•</td>
<td>25 - 50 %</td>
<td>25 - 50 %</td>
<td>25 - 50 %</td>
<td></td>
</tr>
<tr>
<td>Ti min</td>
<td>•</td>
<td>0.1 - 2.8 s</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Ti max</td>
<td>•</td>
<td>0.8 - 3 s</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Trigger I</td>
<td>•</td>
<td>1 – 5</td>
<td>1 – 5</td>
<td>1 - 5</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Trigger E</td>
<td>•</td>
<td>(-5) - (-95) %</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>( Fi_2 )</td>
<td>21 - 100 %</td>
<td>21 - 100 %</td>
<td>21 - 100 %</td>
<td>21 - 100 %</td>
<td>21 - 100 %</td>
</tr>
<tr>
<td>Apnea</td>
<td>•</td>
<td>3 - 30 s</td>
<td>•</td>
<td>•</td>
<td>3 - 30 s</td>
</tr>
<tr>
<td>Ramp</td>
<td>•</td>
<td></td>
<td>•</td>
<td>R/D</td>
<td></td>
</tr>
<tr>
<td>SIMV rate</td>
<td>•</td>
<td></td>
<td>•</td>
<td></td>
<td>2 - 20 bpm</td>
</tr>
</tbody>
</table>

ADJUSTABLE ALARMS AND MONITORING CHART

Each mode presents a specific monitoring and alarm menu, providing:

- Display of patient values monitored during the cycle
- Setting of high and low alarm parameters
- Additional window of monitoring and alarm message(s) display
- Alarms memory
The Supportair ventilator combines comfort, ergonomic design and low maintenance all in one reliable, user-friendly device.

**EASE OF USE**

The Supportair ventilator combines the user-friendly operation of our home care ventilators with the sophistication needed to meet the requirements of critically ill hospital patients with ventilatory instability. Curve setup menus provide more options to view and change various curves and waveforms.

**SIMPLE MAINTENANCE**

The Supportair ventilator is highly reliable and requires minimal preventive maintenance.

- Very few parts; quick and easy access to all technical components
- Micro-turbine with no maintenance required for 15,000 hours
- RS 232 port allows event retrieval, monitoring and new software downloads
- Maintenance menu provides:
  - Information such as software version, machine hours meter and anomalies history
  - Measurements and direct controls such as voltage and temperature, for quick diagnostics
  - Sensor calibration (flow, pressure, FiO₂)
TECHNICAL FEATURES

Dimensions
H = 154 mm, W = 235 mm, D = 315 mm

Weight
4.9 kg

Power supply
115 / 230 V ± 10% – 50 / 60 Hz

Electric consumption
90 VA max

Battery (type, life)
25.2 V – 4.4 Ah Lithium-Ion type with quick charge, up to 11 hours operation depending on settings.

O₂ connection
High pressure O₂ inlet: 280-600 kPa, (2.8 – 6 bars)

Class
II

ACCESSORIES AND PRODUCT REFERENCES CHARTS

REFERENCES      DESCRIPTION
4096200          Supportair ventilator (Supplied with 230 V power supply cable, FiO₂ measurement kit, user manual, single use patient circuit with valve.)
4096201 (UK)     Supportair ventilator (Supplied with 230 V power supply cable, FiO₂ measurement kit, user manual, single use patient circuit with valve.)

ACCESSORIES
2739200          O₂ supply hose (3m length) Air Liq Fitting
2969900          O₂ supply hose (3m length) BS5632 Fitting
2968000          O₂ supply hose (3m length) DIN 13260 fitting
4096000          External remote alarm (5m)
2961900          Cable 9MF (RS232)
4096400          Trolley
4096500          Patient circuits holder
3823099          Single patient use exhalation block
3814100          FiO₂ measurement kit (T adaptor, FiO₂ cell, connexion cable, deflector)

CIRCUITS
5092800          Adult single limb circuit with exhalation valve 180 cm – single use
5093300          Adult single limb circuit without valve 180 cm – single use
5093000          Adult double limb circuit with valve 180 cm – single use
5093400          Adult single limb circuit without valve 180 cm – reusable
5092700          Pediatric single limb circuit with valve 180 cm – single use
5093100          Pediatric single limb circuit without valve 180 cm - single use
5092900          Pediatric double limb circuit with valve 180 cm – single use
5093200          Pediatric single limb circuit without valve 180 cm – reusable

DISPOSABLE
2963300          Air inlet combi filter (pack of 6)
2964200          FiO₂ Cell

This product is available in many countries around the world; however it has not received FDA clearance for marketing the device and is not for sales in the US.

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