AIRcon Gen2 Respiratory Gas Humidifier
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The comprehensively updated and full featured AIRcon Gen2 respiratory gas humidifier is one of the most advanced humidifiers available.

As a fully packed humidifier powerhouse, the AIRcon Gen2 includes all required parts and components you need for a worry-free, quick installation and safe operation.

It’s advanced Servo-Control system allows for more precise and efficient humidity control and for a maximum of flexibility, which is essential to maintaining patient’s health and safety in a rapidly changing healthcare environment.

The AIRcon Gen2’s outstanding improvements allow it to be used in almost any application requiring reliable humidification, from the very low flows in infant ventilation to the very high flows in Nasal-High-Flow-O₂-Therapy in adults.

The AIRcon Gen2 has been designed for
- ease of use
- adaptability
- simplicity of operation
- ease of maintenance and servicing
- energy efficiency
- long term reliability

Everything from one source

In combination with its specially designed humidifier chambers and heated wire breathing systems, the AIRcon Gen2 provides a complete respiratory gas humidifying system at your disposal for patients in need of invasive- or non-invasive ventilation for their treatment.

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>101200</td>
<td>AIRcon Gen2 humidifier, 230V</td>
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<tr>
<td>101201</td>
<td>AIRcon Gen2 humidifier, 115V</td>
</tr>
<tr>
<td>100910</td>
<td>temperature probe, 160cm</td>
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<tr>
<td>100909</td>
<td>temperature probe, 180cm</td>
</tr>
<tr>
<td>100929</td>
<td>heating wire adapter (i+e)*</td>
</tr>
<tr>
<td>100942</td>
<td>heating wire adapter (i)*</td>
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<tr>
<td>100930</td>
<td>country-specific power cord</td>
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</tbody>
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Accessories and Mounting

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
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<tr>
<td>500186</td>
<td>WILAqua, sterile water 1000ml bottle</td>
</tr>
<tr>
<td>500350</td>
<td>WILAmed C200R humidifier chamber, autoclavable</td>
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<tr>
<td>550226</td>
<td>bracket (diameter 25mm) for standard rail (30mm x 10mm)</td>
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<tr>
<td>550301</td>
<td>pole clamp bracket for columns (25mm x 45mm)</td>
</tr>
<tr>
<td>550220</td>
<td>mounting kit for standard rail</td>
</tr>
<tr>
<td>550227</td>
<td>ventilator cart</td>
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</tbody>
</table>

Our heated wire breathing systems (single and double limb) are applicable to neonates, children and adults. We offer configuration for clinical and extra-clinical use for all common ventilators.

* i = inspiratory, e = expiratory
Engineered to meet the highest standards of cost-effective, efficient performance

The **AIRcon Gen2** is the respiratory gas humidifier of choice for health care professionals in both – the Critical Care- and Home Care Environment. The pure and clean look of **AIRcon Gen2** fits perfectly into any ventilator.

**Maximum Flexibility**
- Three modes of operation (IV, NIV, FREE)
- Approved for use in Critical- and Home Care
- Display dimmer for night time operation
- 300+ Configurations of heated wire breathing systems

**7 Unique Features**
- ACRS – Automatic Chamber Recognition System
- IRCC – Automatic Chamber Water Level Control
- ICE – Individual control of Expiratory heater wire
- EVAP – Event and Alarm Protocol
- APC – Automatic Performance Control
- MPC – Manual Performance Control
- EDA – Easy Droplet Adjustment

**Safe**
- Best in class alarm management
- IR water level monitoring (High- and Low)
- Event- and alarm protocol with download option to PC
- Real-time temperature and humidity level monitoring
- Automatic shut-off when alarms are being ignored

**High Quality**
- Best-in-Class TCO
- Manufactured “Made in Germany”

“As a leading manufacturer of respiratory gas humidification systems for more than 20 years, WILAmed has the technology and application expertise to meet the needs of any respiratory application.”

Contact us today and ensure you have the best humidification solution for your patient available.
## Technical Specifications

### Technical Information

- **Dimensions:** H 170mm x W 145mm x D 200mm
- **Weight:** approx. 2.3kg, approx. 2.5kg incl. delivery accessories
- **Classification:**
  - Device (protection class according to IEC 60601) Class II
  - Application parts of Type BF
  - Degree of protection by housing IP22

### Electrical Specification

- **Operating voltage:**
  - AIRcon Gen2 101200 (220V~ – 240V~)
  - AIRcon Gen2 101201 (110V~ – 120V~)
- **Mains frequency:** 50Hz / 60Hz
- **Power consumption:** max. 315VA
- **Heating plate:** 170W
- **Inspiratory tube heater:** 22V~, 30W

### Operating Data

- **Warm-up time:** max. 30 min.
- **Recommended flowrate:** 2 to 80/l/min
- **Humidifier system output:**
  - > 33mg/l in the range of 2 – 60/l/min
  - > 10mg/l in the range of 2 – 80/l/min
- **Maximum operating pressure:** 200mbar
- **Continuous noise:** < 50dB (1m)
- **Sound pressure level of the alarm:** max. 65dB
- **Max. volume of water:** 200ml

### Application parts

- Heated wire breathing systems
- Temperature probe
- Heating wire adapter

### Humidification system

- **Gas leakage at max. operating pressure:**
  - < 10ml/min<sup>(2)</sup>
  - Adults < 70ml/min<sup>(2)</sup>
  - Children < 40ml/min<sup>(2)</sup>
  - Neonates < 30ml/min<sup>(2)</sup>
  - < 0.02 (mbar*l/min)<sup>(2)</sup>
  - Adults 0.5 – 5ml/mbar<sup>(2)</sup>
  - Children 0.5 – 4ml/mbar<sup>(2)</sup>
  - Neonates 0.5 – 1.5ml/mbar<sup>(2)</sup>
  - Adults < 0.06ml/l/min at 30/l/min
  - Children < 0.12ml/l/min at 15/l/min
  - Neonates < 0.74ml/l/min at 2.5/l/min

- **Pressure drop:**
- **Internal Compliance:**
- **Flow resistance:**

### Environment

- **Temperature:**
  - when operating: +18°C to +26°C
  - during storage and transport: -25°C to +70°C
- **Gas inlet temperature:** +18°C to +26°C<sup>(3)</sup>
- **Humidity:**
  - when operating: 0 – 93% non-condensing
  - during storage and transport: 0 – 93% non-condensing
- **Atmospheric pressure:**
  - in operation 700hPa – 1060hPa
  - during storage and transport: 500hPa – 1200hPa

### Measurement Range

- **Temperature sensor:**
  - 9.5°C – 50°C (patient-side)
  - 5°C – 80°C (humidification chamber)

(1) Unless the user instructions for the humidification chamber used prescribe lower maximum pressures

(2) Depending on the humidification chamber used and the breathing tube system used

(3) The maximum gas outlet temperature of the therapy device at 23°C ambient temperature is 32°C