



## 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 80l/min
- **Humidifier system output:**
  - > 33mg/l in the range of 2 – 60l/min
  - > 10mg/l in the range of 2 – 80l/min
- **Maximum operating pressure:** 200mbar<sup>(1)</sup>
- **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

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### Humidification system

- **Gas leakage at max. operating pressure:** < 10ml/min<sup>(2)</sup>
- **Gas leakage at 60 mbar:**
  - Adults < 70ml/min<sup>(2)</sup>
  - Children < 40ml/min<sup>(2)</sup>
  - Neonates < 30ml/min<sup>(2)</sup>
- **Pressure drop:** < 0.02 (mbar\*min)/l<sup>(2)</sup>
- **Internal Compliance:**
  - 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>
- **Flow resistance:**
  - Adults < 0.06mbar/l/min at 30l/min
  - Children < 0.12mbar/l/min at 15l/min
  - Neonates < 0.74mbar/l/min at 2.5l/min

### 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)

<sup>(1)</sup> Unless the user instructions for the humidification chamber used prescribes lower maximum pressures  
<sup>(2)</sup> Depending on the humidification chamber used and the breathing tube system used  
<sup>(3)</sup> The maximum gas outlet temperature of the therapy device at 23°C ambient temperature is 32°C

