Product data sheet AIRWIN® RB/P-D2

Direct room humidifier

The direct room humidifier RB/P-D2 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external ON/OFF signal or by a continuously proportional control signal.

Specification
- Housing made of demineralised water-resistant stainless steel (shiny surface) with detachable cover
- Exhaust ducts made of plastic with integrated drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Electrical connection via connectors for power and control, included in the scope of delivery
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- AquaDrain: integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data
- Max. humidification output: 1 kg/h
- Number of transducers: 2
- Power consumption: 110 VA

Dimensions
- Installation dimensions of humidifier –
  - height x width x depth: 176 x 420 x 290 mm
  - Hose water inlet: Ø 6 mm
  - Hose water overflow/discharge: Ø 12 mm
  - Weight: 7 kg

Conditions of use
- Power supply: 48 / 50 V / Hz
- Conductivity of demineralised water: 5...20 µS/cm
- Ambient temperature: 5...45 °C
- Ambient humidity: 0...90 % RH
- Water temperature: 5...40 °C
- Water pressure: 1...4 bar

Scope of delivery
- RB/P-2 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Outlet tube ø 12 mm (consisting of pipe, angle, T-piece, screw connector)
- Plug 3-pole, 16 A
- 10-pole plug, straight

Product specification
- Brand: AIRWIN®
- Model: RB/P-2
- Item No.: 7901202

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Product data sheet AIRWIN® RB/P-D4

Direct room humidifier

The direct room humidifier RB/P-D4 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external ON/OFF signal or by a continuously proportional control signal.

**Specification**
- Housing made of demineralised water-resistant stainless steel (shiny surface) with detachable cover
- Exhaust ducts made of plastic with integrated drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Electrical connection via connectors for power and control, included in the scope of delivery
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

**Technical data**
- Max. humidification output: 2 kg/h
- Number of transducers: 4
- Power consumption: 180 VA

**Dimensions**
- Installation dimensions of humidifier – height x width x depth: 176 x 529 x 290 mm
- Hose water inlet: Ø 6 mm
- Hose water overflow/discharge: Ø 12 mm
- Weight: 9 kg

**Conditions of use**
- Power supply: 48 / 50 V / Hz
- Conductivity of demineralised water: 5...20 µS/cm
- Ambient temperature: 5...45 °C
- Ambient humidity: 0...90 % RH
- Water temperature: 5...40 °C
- Water pressure: 1...4 bar

**Scope of delivery**
- RB/P-D4 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Outlet tube ø 12 mm (consisting of pipe, angle, T-piece, screw connector)
- Plug 3-pole, 16 A
- 10-pole plug, straight

**Product specification**
- **Brand**: AIRWIN®
- **Model**: RB/P-D4
- **Item No.**: 7901204
The direct room humidifier RB/P-D6 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external ON/OFF signal or by a continuously proportional control signal.

**Specification**
- Housing made of demineralised water-resistant stainless steel (shiny surface) with detachable cover
- Exhaust ducts made of plastic with integrated drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Electrical connection via connectors for power and control, included in the scope of delivery
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **Aqua Drain**: integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

**Technical data**
- Max. humidification output: 3 kg/h
- Number of transducers: 6
- Power consumption: 240 VA

**Dimensions**
- Installation dimensions of humidifier – height x width x depth: 176 x 619 x 290 mm
- Hose water inlet: Ø 6 mm
- Hose water overflow/discharge: Ø 12 mm
- Weight: 11 kg

**Conditions of use**
- Power supply: 48 / 50 V / Hz
- Conductivity of demineralised water: 5... 20 µS/cm
- Ambient temperature: 5... 45 °C
- Ambient humidity: 0... 90 % RH
- Water temperature: 5... 40 °C
- Water pressure: 1... 4 bar

**Scope of delivery**
- RB/P-D6 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Outlet tube Ø 12 mm (consisting of pipe, angle, T-piece, screw connector)
- Plug 3-pole, 16 A
- 10-pole plug, straight

**Product specification**
- Brand: AIRWIN®
- Model: RB/P-D6
- Item No.: 7901206
The direct room humidifier RB/P-D8 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external ON/OFF signal or by a continuously proportional control signal.

**Specification**
- Housing made of demineralised water-resistant stainless steel (shiny surface) with detachable cover
- Exhaust ducts made of plastic with integrated drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Electrical connection via connectors for power and control, included in the scope of delivery
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

**Technical data**

<table>
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<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Max. humidification output</td>
<td>4 kg/h</td>
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<tr>
<td>Number of transducers</td>
<td>8</td>
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<tr>
<td>Power consumption</td>
<td>310 VA</td>
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**Dimensions**

<table>
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<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Installation dimensions of humidifier –</td>
<td>mm</td>
</tr>
<tr>
<td>height x width x depth</td>
<td>176 x 709 x 290</td>
</tr>
<tr>
<td>Hose water inlet</td>
<td>Ø 6</td>
</tr>
<tr>
<td>Hose water overflow/discharge</td>
<td>Ø 12</td>
</tr>
<tr>
<td>Weight</td>
<td>13 kg</td>
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**Conditions of use**

<table>
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<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>48 / 50 V / Hz</td>
</tr>
<tr>
<td>Conductivity of demineralised water</td>
<td>µS/cm</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>5... 45 °C</td>
</tr>
<tr>
<td>Ambient humidity</td>
<td>0... 90 % RH</td>
</tr>
<tr>
<td>Water temperature</td>
<td>5... 40 °C</td>
</tr>
<tr>
<td>Water pressure</td>
<td>1... 4 bar</td>
</tr>
</tbody>
</table>

**Scope of delivery**

- RB/P-D8 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Outlet tube Ø 12 mm (consisting of pipe, angle, T-piece, screw connector)
- Plug 3-pole, 16 A
- 10-pole plug, straight

**Product specification**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
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</tr>
<tr>
<td>Model</td>
<td>RB/P-D8</td>
</tr>
<tr>
<td>Item No.</td>
<td>7901208</td>
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</table>
Product data sheet AIRWIN® RB/P-D10

The direct room humidifier RB/P-D10 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external ON/OFF signal or by a continuously proportional control signal.

**Specification**
- Housing made of demineralised water-resistant stainless steel (shiny surface) with detachable cover
- Exhaust ducts made of plastic with integrated drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Electrical connection via connectors for power and control, included in the scope of delivery
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheating protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

**Technical data**

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Max. humidification output</td>
<td>5 kg/h</td>
</tr>
<tr>
<td>Number of transducers</td>
<td>10</td>
</tr>
<tr>
<td>Power consumption</td>
<td>370 VA</td>
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**Dimensions**

<table>
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<tr>
<th>Installation dimensions of humidifier –</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>height x width x depth</td>
<td>176 x 737 x 290 mm</td>
</tr>
<tr>
<td>Hose water inlet</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Hose water overflow/discharge</td>
<td>Ø 12 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>14 kg</td>
</tr>
</tbody>
</table>

**Conditions of use**

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<th>Item</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>48 / 50 V / Hz</td>
</tr>
<tr>
<td>Conductivity of demineralised water</td>
<td>5... 20 µS/cm</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>5... 45 °C</td>
</tr>
<tr>
<td>Ambient humidity</td>
<td>0... 90 % RH</td>
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<tr>
<td>Water temperature</td>
<td>5... 40 °C</td>
</tr>
<tr>
<td>Water pressure</td>
<td>1... 4 bar</td>
</tr>
</tbody>
</table>

**Scope of delivery**

- RB/P-D10 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Outlet tube Ø 12 mm (consisting of pipe, angle, T-piece, screw connector)
- Plug 3-pole, 16 A
- 10-pole plug, straight

**Product specification**

<table>
<thead>
<tr>
<th>Brand</th>
<th>AIRWIN®</th>
</tr>
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<tbody>
<tr>
<td>Model</td>
<td>RB/P-D10</td>
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<tr>
<td>Item No.</td>
<td>7901110</td>
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</table>

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The direct room humidifier RB/P-D16 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external ON/OFF signal or by a continuously proportional control signal.

**Specification**
- Housing made of demineralised water-resistant stainless steel (shiny surface) with detachable cover
- Exhaust ducts made of plastic with integrated drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Electrical connection via connectors for power and control, included in the scope of delivery
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

**Technical data**
- Max. humidification output: 8 kg/h
- Number of transducers: 16
- Power consumption: 650 VA

**Dimensions**
- Installation dimensions of humidifier –
  - height x width x depth: 176 x 1069 x 290 mm
  - Hose water inlet: Ø 6 mm
  - Hose water overflow/discharge: Ø 12 mm
  - Weight: 21 kg

**Conditions of use**
- Power supply: 48 / 50 V / Hz
- Conductivity of demineralised water: 5...20 µS/cm
- Ambient temperature: 5...45 °C
- Ambient humidity: 0...90 % RH
- Water temperature: 5...40 °C
- Water pressure: 1...4 bar

**Scope of delivery**
- RB/P-D16 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Outlet tube ø 12 mm (consisting of pipe, angle, T-piece, screw connector)
- Plug 3-pole, 16 A
- 10-pole plug, straight

**Product specification**
- Brand: AIRWIN®
- Model: RB/P-D16
- Item No.: 7901216