The universal humidifier UB-1 is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by an external hygrostat (on – off) or by a user’s external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

Description
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

Technical Data
- Max. humidification output: 0.5 kg/h
- Number of transducers: 1 unit
- Power consumption: 105 VA

Dimensions
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.3 kg

Operation Conditions
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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
- UB-1 universal humidifier
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (inkl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

Product specification
- Brand: AIRWIN®
- Type: UB-1
- Article-no.: 7900101
The universal humidifier UB-2 is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user's external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- AquaDrain: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 1 kg/h
- Number of transducers: 2 units
- Power consumption: 135 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.4 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-2 universal humidifier
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-2
- Article-no.: 7900102

BOGA GmbH
Werkstraße 16
D-59494 Soest
www.boga.de
+49 2921 96943-0

Rev 11/2016
The universal humidifier UB-3 is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user's external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

Description
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- AquaDrain: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

Technical Data
- Max. humidification output: 1.5 kg/h
- Number of transducers: 3 units
- Power consumption: 165 VA

Dimensions
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.5 kg

Operation Conditions
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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
- UB-3 universal humidifier
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
  (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

Product specification
- Brand: AIRWIN®
- Type: UB-3
- Article-no.: 7900103
The universal humidifier UB-4 is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user's external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 2 kg/h
- Number of transducers: 4 units
- Power consumption: 195 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/drainage tube: Ø 12 mm
- Weight: 7.6 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-4 universal humidifier
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
  (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-4
- Article-no.: 7900104

BOGA GmbH
Werkstraße 16
D-59494 Soest
www.boga.de
+49 2921 96943-0
The universal humidifier UB-1D is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user's external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for increasing the compression, cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 0.5 kg/h
- Number of transducers: 1 unit
- Power consumption: 117 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.7 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-1D universal humidifier
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-1D
- Article-no.: 7910101
The universal humidifier UB-2D is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user’s external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for increasing the compression, cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Max. humidification output</td>
<td>1 kg/h</td>
</tr>
<tr>
<td>Number of transducers</td>
<td>2 units</td>
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<td>Power consumption</td>
<td>147 VA</td>
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**Dimensions**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation dimensions humidifier</td>
<td>205 x 338 x 288 mm</td>
</tr>
<tr>
<td>Aerosol outlet pipe</td>
<td>Ø 40 mm</td>
</tr>
<tr>
<td>Water supply tube</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Water overflow/ drainage tube</td>
<td>Ø 12 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>7.8 kg</td>
</tr>
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**Operation Conditions**

<table>
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<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230 / 50 V / Hz</td>
</tr>
<tr>
<td>Pure water conductivity</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>
</tr>
<tr>
<td>Water temperature</td>
<td>5…40 °C</td>
</tr>
<tr>
<td>Water pressure</td>
<td>1…4 bar</td>
</tr>
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**Scope of delivery**

- UB-2D universal humidifier with double fan
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**

<table>
<thead>
<tr>
<th>Brand</th>
<th>AIRWIN®</th>
</tr>
</thead>
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<tr>
<td>Type</td>
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<tr>
<td>Article-no.</td>
<td>7910102</td>
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</table>
The universal humidifier UB-3D is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user’s external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for increasing the compression, cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 1.5 kg/h
- Number of transducers: 3 units
- Power consumption: 177 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.9 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-3D universal humidifier with double fan
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-3D
- Article-no.: 7910103
The universal humidifier UB-4D is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by an external hygrostat (on – off) or by a user's external continuous control signal. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

Description
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for increasing the compression, cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC and panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Connection possibility for usual control signal e.g. 0-10 VDC, 0-20 mA, 4-20 mA
- Connection possibility for a hygrostat – also 2 steps
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

Technical Data
- Max. humidification output: 2 kg/h
- Number of transducers: 4 units
- Power consumption: 207 VA

Dimensions
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 8 kg

Operation Conditions
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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
- UB-4D universal humidifier with double fan
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

Product specification
- Brand: AIRWIN®
- Type: UB-4D
- Article-no.: 7910104
The universal humidifier UB-1/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT 1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 0.5 kg/h
- Number of transducers: 1 unit
- Power consumption: 117 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.7 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-1/CT universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-1/CT
- Article-no.: 7900181
The universal humidifier UB-2/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT 1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 1 kg/h
- Number of transducers: 2 units
- Power consumption: 135 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/drainage tube: Ø 12 mm
- Weight: 7.8 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-2/CT universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-2/CT
- Article-no.: 7900182

BOGA GmbH
Werkstraße 16
D-59494 Soest
www.boga.de
+49 2921 96943-0
The universal humidifier UB-3/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- AquaDrain: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output 1.5 kg/h
- Number of transducers 3 units
- Power consumption 165 VA

**Dimensions**
- Installation dimensions humidifier HxWxD 205 x 338 x 261 mm
- Aerosol outlet pipe Ø 40 mm
- Water supply tube Ø 6 mm
- Water overflow/ drainage tube Ø 12 mm
- Weight 7.9 kg

**Operation Conditions**
- Power supply 230 / 50 V / Hz
- Pure water conductivity 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**
- UB-3/CT universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand AIRWIN®
- Type UB-3/CT
- Article-no. 7900183
The universal humidifier UB-4/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT 1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 2 kg/h
- Number of transducers: 4 units
- Power consumption: 195 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 261 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 8 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-4/CT universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-4/CT
- Article-no.: 7900184
The universal humidifier UB-1/FB is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted by the knob on the remote control. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

### Description
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Wired remote control with ON/OFF switch, potentiometer for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnection protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

### Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. humidification output</td>
<td>0.5 kg/h</td>
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<tr>
<td>Number of transducers</td>
<td>1 unit</td>
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<td>Power consumption</td>
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<td>Dimensions</td>
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<tr>
<td>Installation dimensions humidifier HxWxD</td>
<td>205 x 338 x 261 mm</td>
</tr>
<tr>
<td>Aerosol outlet pipe</td>
<td>Ø 40 mm</td>
</tr>
<tr>
<td>Water supply tube</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Water overflow/ drainage tube</td>
<td>Ø 12 mm</td>
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<tr>
<td>Weight</td>
<td>7.3 kg</td>
</tr>
<tr>
<td>Weight remote control</td>
<td>0.4 kg</td>
</tr>
</tbody>
</table>

### Operation Conditions
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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
- UB-1/FB universal humidifier
- wired 1-channel remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

### Product specification

<table>
<thead>
<tr>
<th>Brand</th>
<th>AIRWIN®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>UB-1/FB</td>
</tr>
<tr>
<td>Article-no</td>
<td>7900151</td>
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</table>
The universal humidifier UB-2/FB is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is adjusted separately by knobs on the remote control for each aerosol output. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Electrical power connection 230 VAC at panel plug IEC
- Wired remote control with ON/OFF switch, potentiometers for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Max. humidification output</td>
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</tr>
<tr>
<td>Number of transducers</td>
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<td>Power consumption</td>
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<tr>
<td>Installation dimensions humidifier HxWxD</td>
<td>205 x 338 x 261 mm</td>
</tr>
<tr>
<td>Aerosol outlet pipe</td>
<td>Ø 40 mm</td>
</tr>
<tr>
<td>Water supply tube</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Water overflow/ drainage tube</td>
<td>Ø 12 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>7.4 kg</td>
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<tr>
<td>Weight remote control</td>
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<tr>
<td>Power supply</td>
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<tr>
<td>Pure water conductivity</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>
</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>

**Operation Conditions**

- UB-2/FB universal humidifier
- wired 2-channels remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Scope of delivery**

**Product specification**

<table>
<thead>
<tr>
<th>Brand</th>
<th>AIRWIN®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>UB-2/FB</td>
</tr>
<tr>
<td>Article-no.</td>
<td>7900152</td>
</tr>
</tbody>
</table>
The universal humidifier UB-3/FB is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted separately by knobs on the remote control for each aerosol output. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Electrical power connection 230 VAC at panel plug IEC
- Wired remote control with ON/OFF switch, potentiometers for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **Aqua Drain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output 1.5 kg/h
- Number of transducers 3 units
- Power consumption 165 VA

**Dimensions**
- Installation dimensions humidifier HxWxD 205 x 338 x 261 mm
- Installation dimensions remote control HxWxD 63 x 202 x 104 mm
- Aerosol outlet pipe Ø 40 mm
- Water supply tube Ø 6 mm
- Water overflow/ drainage tube Ø 12 mm
- Weight 7.5 kg
- Weight remote control 0.4 kg

**Operation Conditions**
- Power supply 230 / 50 V / Hz
- Pure water conductivity 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**
- UB-3/FB universal humidifier
- wired 3-channels remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
- (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand AIRWIN®
- Type UB-3/FB
- Article-no. 7900153
The universal humidifier UB-4/FB is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted separately by knobs on the remote control for each aerosol output. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Compact fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Electrical power connection 230 VAC at panel plug IEC
- Wired remote control with ON/OFF switch, potentiometers for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**

<table>
<thead>
<tr>
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<th>Value</th>
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<tr>
<td>Max. humidification output</td>
<td>2 kg/h</td>
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<tr>
<td>Number of transducers</td>
<td>4 units</td>
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<td>Power consumption</td>
<td>195 VA</td>
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**Dimensions**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Installation dimensions humidifier HxWxD</td>
<td>205 x 338 x 261 mm</td>
</tr>
<tr>
<td>Installation dimensions remote control HxWxD</td>
<td>63 x 202 x 104 mm</td>
</tr>
<tr>
<td>Aerosol outlet pipe</td>
<td>Ø 40 mm</td>
</tr>
<tr>
<td>Water supply tube</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Water overflow/ drainage tube</td>
<td>Ø 12 mm</td>
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<tr>
<td>Weight</td>
<td>7.6 kg</td>
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<tr>
<td>Weight remote control</td>
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**Operation Conditions**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Power supply</td>
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<tr>
<td>Pure water conductivity</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>
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</table>

**Scope of delivery**

- UB-4/FB universal humidifier
- wired 4-channels remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
  (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**

<table>
<thead>
<tr>
<th>Brand</th>
<th>Type</th>
<th>Article-no.</th>
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<tbody>
<tr>
<td>AIRWIN®</td>
<td>UB-4/FB</td>
<td>7900154</td>
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</table>
The universal humidifier UB-1D/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 0.5 kg/h
- Number of transducers: 1 unit
- Power consumption: 117 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 8.1 kg

**Operation Conditions**
- Power supply: 230 V / Hz
- Pure water conductivity: 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**
- UB-1D/CT universal humidifier with double fan and continuous controller CT1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- **Brand**: AIRWIN®
- **Type**: UB-1D/CT
- **Article-no.**: 7910181
The universal humidifier UB-2D/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**

- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT 1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **Aquadrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. humidification output</td>
<td>1 kg/h</td>
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<td>Number of transducers</td>
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<td>Power consumption</td>
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<td>Dimensions</td>
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<tr>
<td>Installation dimensions</td>
<td>205 x 338 x 288 mm</td>
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<tr>
<td>Aerosol outlet pipe</td>
<td>Ø 40 mm</td>
</tr>
<tr>
<td>Water supply tube</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Water overflow/ drainage</td>
<td>Ø 12 mm</td>
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<tr>
<td>Weight</td>
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<td>Operation Conditions</td>
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<tr>
<td>Power supply</td>
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<tr>
<td>Pure water conductivity</td>
<td>5…20 μS/cm</td>
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<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>
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<tr>
<td>Water pressure</td>
<td>1…4 bar</td>
</tr>
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</table>

**Scope of delivery**

- UB-2D/CT universal humidifier with double fan and continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
  (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**

<table>
<thead>
<tr>
<th>Brand</th>
<th>AIRWIN®</th>
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<td>Type</td>
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</tr>
<tr>
<td>Article-no.</td>
<td>7910182</td>
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The universal humidifier UB-3D/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

Description
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT 1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- AquaDrain: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

Technical Data
- Max. humidification output: 1.5 kg/h
- Number of transducers: 3 units
- Power consumption: 177 VA

Dimensions
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Aerosol outlet pipe Ø 40 mm
- Water supply tube Ø 6 mm
- Water overflow/ drainage tube Ø 12 mm
- Weight: 8.3 kg

Operation Conditions
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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
- UB-3D/CT universal humidifier with double fan and continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

Product specification
- Brand: AIRWIN®
- Type: UB-3D/CT
- Article-no.: 7910183
The universal humidifier UB-4D/CT is a product of the brand AIRWIN® of BOGA GmbH. It serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier’s output is controlled by a continuous control of the integrated, freely-configurable controller. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and transporting the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Generation of a signal (potential-free contact) if the value falls below the set point value
- High-value, integrated continuous controller CT1 for adjusting the humidifier’s output with many, freely-configurable controller options
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 2 kg/h
- Number of transducers: 4 units
- Power consumption: 207 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/drainage tube: Ø 12 mm
- Weight: 8.4 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-4D/CT universal humidifier with double fan and continuous controller CT1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- **Brand**: AIRWIN®
- **Type**: UB-4D/CT
- **Article-no.**: 7910184
The universal humidifier UB-1D/FB is a product of the brand AIRWIN® of BOGA GmbH. The universal humidifier with double fan and remote control serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted by the knob on the remote control. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Wired remote control with ON/OFF switch, potentiometer for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. humidification output</td>
<td>0.5 kg/h</td>
</tr>
<tr>
<td>Number of transducers</td>
<td>1 unit</td>
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<tr>
<td>Power consumption</td>
<td>117 VA</td>
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**Dimensions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation dimensions humidifier HxWxD</td>
<td>205 x 338 x 288 mm</td>
</tr>
<tr>
<td>Installation dimensions remote control - HxWxD</td>
<td>63 x 202 x 104 mm</td>
</tr>
<tr>
<td>Aerosol outlet pipe</td>
<td>Ø 40 mm</td>
</tr>
<tr>
<td>Water supply tube</td>
<td>Ø 6 mm</td>
</tr>
<tr>
<td>Water overflow/ drainage tube</td>
<td>Ø 12 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>7.7 kg</td>
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<tr>
<td>Weight remote control</td>
<td>0.4 kg</td>
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</table>

**Operation Conditions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230 / 50 V / Hz</td>
</tr>
<tr>
<td>Pure water conductivity</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>
</tr>
<tr>
<td>Water temperature</td>
<td>5…40 °C</td>
</tr>
<tr>
<td>Water pressure</td>
<td>1…4 bar</td>
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</tbody>
</table>

**Scope of delivery**

- UB-1D/FB universal humidifier
- Wired 1-channel remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
  (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**

<table>
<thead>
<tr>
<th>Brand</th>
<th>AIRWIN®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>UB-1D/FB</td>
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<td>Article-no.</td>
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Rev 11/2016
The universal humidifier UB-2D/FB is a product of the brand AIRWIN® of BOGA GmbH. The universal humidifier with double fan and remote control serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted separately by knobs on the remote control for each aerosol output. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Wired remote control with ON/OFF switch, potentiometer for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output 1 kg/h
- Number of transducers 2 units
- Power consumption 147 VA

**Dimensions**
- Installation dimensions humidifier HxWxD 205 x 338 x 288 mm
- Installation dimensions remote control - HxWxD 63 x 202 x 104 mm
- Aerosol outlet pipe Ø 40 mm
- Water supply tube Ø 6 mm
- Water overflow/ drainage tube Ø 12 mm
- Weight 7.8 kg
- Weight remote control 0.4 kg

**Operation Conditions**
- Power supply 230 / 50 V / Hz
- Pure water conductivity 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**
- UB-2D/FB universal humidifier
- Wired 2-channels remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
  (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand AIRWIN®
- Type UB-2D/FB
- Article-no. 7910152
The universal humidifier UB-3D/FB is a product of the brand AIRWIN® of BOGA GmbH. The universal humidifier with double fan and remote control serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted separately by knobs on the remote control for each aerosol output. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

Description
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Wired remote control with ON/OFF switch, potentiometer for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- AquaDrain: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

Technical Data
- Max. humidification output: 1.5 kg/h
- Number of transducers: 3 units
- Power consumption: 177 VA

Dimensions
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Installation dimensions remote control - HxWxD: 63 x 202 x 104 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 7.9 kg
- Weight remote control: 0.4 kg

Operation Conditions
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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
- UB-3D/FB universal humidifier
- Wired 3-channels remote control
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

Product specification
- Brand: AIRWIN®
- Type: UB-3D/FB
- Article-no.: 7910153
The universal humidifier UB-4D/FB is a product of the brand AIRWIN® of BOGA GmbH. The universal humidifier with double fan and remote control serves for fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The humidifier's output is adjusted separately by knobs on the remote control for each aerosol output. The spot or area fine distribution of the aerosol mist is made by an aerosol distribution system.

**Description**
- Housing (glossy surface) with aerosol outlet pipe made of stainless steel resistant to demineralised water
- Filtration of the intake air via washable grit filter
- Double fan for cooling the electronics and the transport of the aerosol mist out of the outlet pipe
- Electrical power connection 230 VAC at panel plug IEC
- Central electrical control at the 10 poles plug
- Ultrasonic resonance circuit unit with 1.7 MHz excitation frequency with integrated fuse and temperature control of the power transistors
- Output control via pulse width modulation (PWM)
- Wired remote control with ON/OFF switch, potentiometer for adjusting the humidifier’s output from 0 to 100%, pushbutton for the anticyclical drainage of the fluid tank, cable length 2 m
- Connection possibility for a limit hygrostat
- Connection possibility for a safety chain
- Solenoid valves combination for water supply and water drainage
- Water supply without any tools via tube connectors for metric tubes/pipes
- Automatic water level control, dry-running protection, overheating protection, overvoltage peak protection, overflow protection, disconnect protection, mains filter
- **AquaDrain**: integrated hygiene management for cyclical flushing of the water inlet pipe and for cyclical or permanent emptying of the fluid tank according to specified parameters

**Technical Data**
- Max. humidification output: 2 kg/h
- Number of transducers: 4 units
- Power consumption: 207 VA

**Dimensions**
- Installation dimensions humidifier HxWxD: 205 x 338 x 288 mm
- Installation dimensions remote control - HxWxD: 63 x 202 x 104 mm
- Aerosol outlet pipe: Ø 40 mm
- Water supply tube: Ø 6 mm
- Water overflow/ drainage tube: Ø 12 mm
- Weight: 8 kg
- Weight remote control: 0.4 kg

**Operation Conditions**
- Power supply: 230 / 50 V / Hz
- Pure water conductivity: 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**
- UB-4D/FB universal humidifier
- Wired 4-channels remote control
- Installation and operation instructions
- Water filter for tube D/d = 8/4 mm (incl. 100 mm tube)
- Drainage tube Ø 12 mm
- (consisting of: tube, elbow connection, T-piece, screw-on connector)
- Device socket IEC C13 90°
- 10-poles plug straight
- Stop cock Ø 6 mm

**Product specification**
- Brand: AIRWIN®
- Type: UB-4D/FB
- Article-no.: 7910154