

The direct room humidifier RB/P-D2/3.1 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, MODBUS RTU or by a customer-supplied, continuous control signal.

Specification

- Housing made of demineralised water-resistant stainless steel with detachable cover
- Exhaust ducts made of plastic with drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Central electrical control connection to 15-pole plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- Stepless power control when operating with analog control signal
- Status messages for humidification and collective fault
- Integrated routines for error detection at water supply and drain
- Redundant level monitoring
- Current measurement of active components
- Electrical power connection 48 V-AC at the built-in socket
- Possibility to connect standard control signals 0-10 VDC, and 4-20 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 plus:** 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 444 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-D2/3.1 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Stop cock ø 6 mm
- Discharge tube ø 12 mm
- Plug 3-pole, 16 A
- SUB-D Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Model	RB/P-D2/3.1
Item No.	7900270



Rev 07/2021



The direct room humidifier RB/P-D4/3.1 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, MODBUS RTU or by a customer-supplied, continuous control signal.

Specification

- Housing made of demineralised water-resistant stainless steel with detachable cover
- Exhaust ducts made of plastic with drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Central electrical control connection to 15-pole plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- Stepless power control when operating with analog control signal
- Status messages for humidification and collective fault
- Integrated routines for error detection at water supply and drain
- Redundant level monitoring
- Current measurement of active components
- Electrical power connection 48 V-AC at the built-in socket
- Possibility to connect standard control signals 0-10 VDC, and 4-20 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 plus:** 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 553 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-D4/3.1 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Stop cock ø 6 mm
- Discharge tube ø 12 mm
- Plug 3-pole, 16 A
- SUB-D Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Model	RB/P-D4/3.1
Item No.	7900271



Rev 07/2021



The direct room humidifier RB/P-D6/3.1 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, MODBUS RTU or by a customer-supplied, continuous control signal.

Specification

- Housing made of demineralised water-resistant stainless steel with detachable cover
- Exhaust ducts made of plastic with drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Central electrical control connection to 15-pole plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- Stepless power control when operating with analog control signal
- Status messages for humidification and collective fault
- Integrated routines for error detection at water supply and drain
- Redundant level monitoring
- Current measurement of active components
- Electrical power connection 48 V-AC at the built-in socket
- Possibility to connect standard control signals 0-10 VDC, and 4-20 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 plus:** 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 643 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-D6/3.1 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Stop cock ø 6 mm
- Discharge tube ø 12 mm
- Plug 3-pole, 16 A
- SUB-D Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Model	RB/P-D6/3.1
Item No.	7900272



Rev 07/2021



The direct room humidifier RB/P-D8/3.1 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, MODBUS RTU or by a customer-supplied, continuous control signal.

Specification

- Housing made of demineralised water-resistant stainless steel with detachable cover
- Exhaust ducts made of plastic with drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Central electrical control connection to 15-pole plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- Stepless power control when operating with analog control signal
- Status messages for humidification and collective fault
- Integrated routines for error detection at water supply and drain
- Redundant level monitoring
- Current measurement of active components
- Electrical power connection 48 V-AC at the built-in socket
- Possibility to connect standard control signals 0-10 VDC, and 4-20 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 plus:** 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	4	kg/h
Number of transducers	8	
Power consumption	310	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	176 x 733 x 290	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	13	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-D8/3.1 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Stop cock ø 6 mm
- Discharge tube ø 12 mm
- Plug 3-pole, 16 A
- SUB-D Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Model	RB/P-D8/3.1
Item No.	7900273



Rev 07/2021



The direct room humidifier RB/P-D10/3.1 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, MODBUS RTU or by a customer-supplied, continuous control signal.

Specification

- Housing made of demineralised water-resistant stainless steel with detachable cover
- Exhaust ducts made of plastic with drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Central electrical control connection to 15-pole plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- Stepless power control when operating with analog control signal
- Status messages for humidification and collective fault
- Integrated routines for error detection at water supply and drain
- Redundant level monitoring
- Current measurement of active components
- Electrical power connection 48 V-AC at the built-in socket
- Possibility to connect standard control signals 0-10 VDC, and 4-20 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 plus:** 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	5	kg/h
Number of transducers	10	
Power consumption	370	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	176 x 823 x 290	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	14	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-D10/3.1 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Stop cock ø 6 mm
- Discharge tube ø 12 mm
- Plug 3-pole, 16 A
- SUB-D Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Model	RB/P-D10/3.1
Item No.	7900274



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The direct room humidifier RB/P-D16/3.1 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, MODBUS RTU or by a customer-supplied, continuous control signal.

Specification

- Housing made of demineralised water-resistant stainless steel with detachable cover
- Exhaust ducts made of plastic with drip catchers
- Filtering of the intake air by washable coarse filter
- Cross flow fan for large air flow rate
- Central electrical control connection to 15-pole plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- Stepless power control when operating with analog control signal
- Status messages for humidification and collective fault
- Integrated routines for error detection at water supply and drain
- Redundant level monitoring
- Current measurement of active components
- Electrical power connection 48 V-AC at the built-in socket
- Possibility to connect standard control signals 0-10 VDC, and 4-20 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 plus:** 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 1093 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-D16/3.1 direct room humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Stop cock ø 6 mm
- Discharge tube ø 12 mm
- Plug 3-pole, 16 A
- SUB-D Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Model	RB/P-D16/3.1
Item No.	7900275



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