

The universal humidifier UB-1/CT/3.1 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 a continuous control of the integrated, freely-configurable controller.

Description

- Housing 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 V-AC at panel plug IEC
- Central electrical control at the 15 poles plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- 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
- 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	100	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/3.1 universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Stop cock Ø 6 mm
- Drainage tube Ø 12 mm
- Schuko power cable IEC, 2 m
- D-SUB Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Type	UB-1/CT/3.1
Item No.	7900264



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The universal humidifier UB-2/CT/3.1 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 a continuous control of the integrated, freely-configurable controller.

Description

- Housing 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 pipes
- Electrical power connection 230 V-AC at panel plug IEC
- Central electrical control at the 15 poles plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- 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
- 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	kg/h
Number of transducers	2	units
Power consumption	130	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/3.1 universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Stop cock Ø 6 mm
- Drainage tube Ø 12 mm
- Schuko power cable IEC, 2 m
- D-SUB Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Type	UB-2/CT/3.1
Item No.	7900265



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The universal humidifier UB-3/CT/3.1 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 a continuous control of the integrated, freely-configurable controller.

Description

- Housing 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 pipes
- Electrical power connection 230 V-AC at panel plug IEC
- Central electrical control at the 15 poles plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- 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
- 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	160	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/3.1 universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Stop cock Ø 6 mm
- Drainage tube Ø 12 mm
- Schuko power cable IEC, 2 m
- D-SUB Connector male, 15-pol, housing m

Product specification

Brand	AIRWIN®
Type	UB-3/CT/3.1
Article-no.	7900266



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The universal humidifier UB-4/CT/3.1 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 a continuous control of the integrated, freely-configurable controller.

Description

- Housing 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 pipes
- Electrical power connection 230 V-AC at panel plug IEC
- Central electrical control at the 15 poles plug
- MODBUS RTU interface designed as D-SUB
- Ultrasonic oscillating circuit with integrated fuse and temperature monitoring of the power transistors
- 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
- 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	190	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/3.1 universal humidifier with continuous controller CT 1
- Installation and operation instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Stop cock Ø 6 mm
- Drainage tube Ø 12 mm
- Schuko power cable IEC, 2 m
- D-SUB Connector male, 15-pol, housing

Product specification

Brand	AIRWIN®
Type	UB-4/CT/3.1
Item No.	7900267



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