

Product data sheet AIRWIN® DRC

The DRC humidifier is a product of the AIRWIN® brand from BOGA GmbH. It is used for the fully automatic generation of aerosol mist from demineralised water according to the ultrasonic principle. The output of the humidifier is controlled by an external hygrostat (ON-OFF) or by a continuous control signal like 0-10 V-DC. The selection of components enables operation even under difficult environmental conditions.

Specification

- Housing made of demineralised water-resistant stainless steel
- Intake air filtering by coarse filter
- Compact fan for transporting the aerosol mist out of the exhaust pipe
- Selection of external components with at least IP54 for use in harsh environmental conditions
- Operation with aerosol distribution systems or also in bypass installation possible

Electrical connection

- Central electrical control connection on the internal terminal strip
- Electrical power connection either AC or DC
- Connection option for common control signals, ex works 0-10 V, 4-20 mA, (special: 1-10 V, 0-20 mA)
- Possibility to connect one or two hygrometers - also 2-stage
- Connection for an external release / safety chain
- **Interface:** RS-485, MODBUS-RTU
- Operating messages and collective fault messages via potential-free contacts

Hydraulic connection

- Solenoid valve combination for the water inlet and the water outlet
- Water connection without tools using push-in hose connectors for metric hoses / pipes

Functions and operating modes

- Automatic level control of the water level, Lack of water protection, overheating protection, protection against overvoltage peaks, overflow protection, interruption protection, line filter
- **AquaDrain plus:** integrated hygiene management for cyclical rinsing of the water supply line and the cyclical or permanent emptying of the fluid tub according to defined parameters
- Inactivity drain function empties the internal fluid tank if long durations in standby take place
- Stepless control of the humidification output or ON / OFF operation

Technical specifications

max. humidification output	2,0	kg/h
Power consumption	230	VA

Dimensions

Installation dimensions - HxWxD	245 x 391 x 209	mm
Exhaust pipe	Ø 75	mm
Tube water inlet	Ø 6	mm
Tube water overflow/discharge	Ø 12	mm
Weight	6,3	kg

Conditions of use

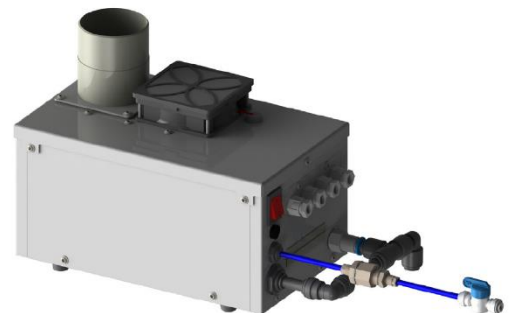
Power supply AC	85 ~ 264 / 47-63	V-AC / Hz
Power supply DC	120 ~ 370	V-DC
Conductivity demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...99	% rH, not condensing
Water temperature	5...45	°C
Water pressure	1...6	bar

Scope of delivery

- DRC
- Installation and operating instructions
- Water filter for tube D/d = 6/4 mm (incl. 100 mm tube)
- Outlet tube Ø 12 mm
- Stop cock Ø 6 mm

Produktspezifikation

Fabrikat	AIRWIN®
Typ	DRC
Artikel-Nr.	7902024



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