

- Ultrasound for energy-saving air humidification
- Progressive technology
- Universal application
- Economical operation

All used to introduce today's the most advanced humidifier technology

This is why air humidification has gained considerable importance in recent years and unfurled new applications to convince the ventilation and air-conditioning expert. Employing the ultrasound principle and using only approx. 0.092 kW/h of electrical power for a humidifying capacity of 1 kg/h, AIRWIN RB/P and RB/P-D come out on top in terms of operating efficiency. The energy saving over isothermal humidification systems with simultaneous humidification and cooling (adiabatic or evaporative cooling) is particularly striking.

The AIRWIN RB/P and RB/P-D ultrasonic humidifiers will pay for themselves in next to no time owing to the electrical energy saving.

In connection with our disinfection program Contra-Keim it is also possible to disinfect the room air or surfaces.



Features Function

AIRWIN RB room humidifiers work on the ULTRASOUND PRINCIPLE. Operating at an excitation frequency of 1,7 MHz, the humidification water at the WATER/AIR boundary layer is broken up into extremely fine aerosols - 1 µm - without giving off any significant amount of heat. The flow of air in the air duct conveys the aerosol vapor into the area to be humidified. In accordance with the Brownian molecular theory, the degree of aerosol fineness guarantees a completely uniform distribution of humidity throughout the entire air cross section.

Device Description

AIRWIN RB/P and RB/P-D are made of corrosive-resistant materials (stainless steel housing, plastic parts). Dry-running protection, thermal protection, overrunning protection and voltage peak protection are part of the basic equipment. AIRWIN RB/P and RB/P-D operate with low voltage 48VAC. The necessary transformers are part of our delivery range. The RB/P ultrasonic humidifiers are ready for connection to the control signal 0....10VDC. A hygrostat can also be directly connected. The RB/P-D ultrasonic humidifiers come with the hygiene management Aqua Drain. Therefore, they are particularly suitable for extremely demanding hygienic applications. Aqua Drain is a system that flushes the water supply line to the humidifier according to diverse parameters and empties the water reservoir of the RB/P-D humidifier in certain intervals. Aqua Drain is controlled by a software program and a combination of magnetic valves. In addition, Aqua Drain prevents compensation of the water level, which is reduced by evaporation, in passive operating mode of the RB/P-D humidifier.

Control

RB/P RB/P-D

- 2-step control with hygrostat (50%-100%)
- Continuous control for all ordinary signals
- Operational control
- External safety chain can be connected

Hygiene

Aqua Drain flushes the water supply line, empties the water reservoir of the RB/P-D in intervals, empties the water reservoir after short periods of 'non-humidification and in case of a power failure. Aqua Drain is a program developed by BOGA GMBH which provides hygienic safety in connection with the massively germ-killing effect of the high-frequency ultrasound system.

Capacities, Electrical Information, Dimensions and Weights

Model	Capacity (kg/hour)	Voltage (V/Hz)	Electricity consumption (VA)	Weight (kg)	Dimensions H/L/W (mm)	Code
RB/P2	1.0	48/50	110	06	180/260/290	40104302
RB/P4	2.0	48/50	180	08	180/340/290	40104304
RB/P6	3.0	48/50	240	10	180/460/290	40104306
RB/P8	4.0	48/50	310	12	180/550/290	40104308
RB/PL0	5.0	48/50	370	14	180/640/290	40104310
RB/PL6	8.0	48/50	620	20	180/910/290	40104316
WD	Wall bracket			1.8	L=365	40104301

With Aqua Drain

Model	Capacity (kg/hour)	Voltage (V/Hz)	Electricity consumption (VA)	Weight (kg)	Dimensions H/L/W (mm)	Code
RB/P-D4	2.0	48/50	190	9	180/340/290	40104404
RB/P-D6	3.0	48/50	250	11	180/ 460/290	40104406
RB/P-D8	4.0	48/50	310	12	180/550/290	40104408
RB/P-DL0	5.0	48/50	370	14	180/640/290	40104410
RB/P-DL6	8.0	48/50	630	21	180/910/290	40104416
WD	Wall bracket			1.8	L=365	40104301