

Description of the device

The EKO-RS air assisted humidifier is constructed in order to realise a three-sided air humidification. It is mounted on the ceiling of the room. All necessary components are integrated in the humidifier, however it is not provided with a control box. This is available separately. You can choose between a simple mechanical room humidistat or an electronic control box.

The EKO-RS is standard equipped with three Cumulus® CG-3 (low-noise) air assisted atomisers which have a humidification capacity of 4 l/hr each. This is very easy adjustable by changing the flow controllers.

The humidifier is easy to install and only water, compressed air, electricity and a control unit need to be connected.

Main features

Equipped with all required components
 Easy installation (plug&play)
 Compressed air assisted
 Compact unit

Technical details



	EKO-RS humidifier
Part number	7124
Amount / type of atomisers	3 / CG-3
Compressed air consumption [l/min]	96
Humidification capacity [l/hr]	12 (adjustable)
Maximum ambient temperature [° C]	30
Maximum relative humidity [%]	70
Power connection [V / Hz]	230 / 50
Power consumption [W]	20
Fuse [A]	1.0
Dimensions (diameter x height) [mm]	260 x 220
Weight [kg]	4.5
Compressed air quality	Dry, free of oil and filtered < 0,01 µm
Required air pressure at the unit [bar]	5 - 8
Required water quality	Tap water, filtered < 10 µm or de-mineralised water with a conductivity > 10 µS/cm
Required water pressure at the unit [bar]	1.5 - 4
Min. - max. storage temperature [° C]	1 - 50
Minimum installation height [m]	5 (depending on the capacity)
Diameter of the vapour of the EKO-RS [m]	Approx. 3
Possible control units	Mechanical room humidistat JetControl 420 with RH sensor

Remark:

The JetControl 420 is equipped with a digital display and the Cumulus[®] WaterFresh[®] program for bacteriological safety.

Example of a process diagram for Cumulus EKO humidifiers:

