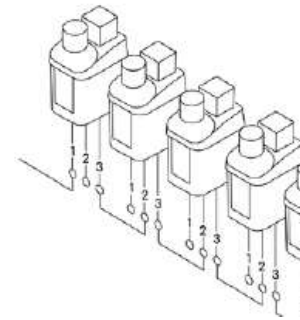


AUL01

ULTRASONIC HUMIDIFIER



Master/slave

AUL01 ultrasonic humidifier is nebulizing water into micro particles producing a dry fog that is quickly absorbed by the surrounding air.

AUL01 is a perfect solution for compact and modular ultrasonic humidification. It generates humidity by breaking up the molecules of the water contained in the reservoir and producing mist through the energy transferred by ultrasonic ceramic transducers. The mist (humidity) is introduced into the space via a rigid tube.

Ultrasonic humidifiers are best suited for agro-food storage room or refrigerated display and bank, cold room, wine cellar, humidior, or for the humidification of HVAC applications such as fan coils or computer / server room.

AUL01 can accept untreated water, however the use of RO treated water is recommended to avoid the dispersion of fine solid particles contained in tap water.

- Capacity of 1.0kg/h per module producing 0.5µm water mist.
- High accuracy +/-1%RH. & high humidity: up to 96%RH.
- Ideal for humidification at low temperature - up to 0°C
- Modular design and master/slave operation.
- Safe operation with 24Vac power supply and water leakage protection.
- Smallest footprint of the industry
- Modbus RTU remote communication.
- Optional remote controller with touch screen, or WiFi connectivity, or BACnet.

DIRECT IN SPACE

In direct in-room configuration the **AUL01** humidifiers consists of the following components:

- Ultrasonic module equipped with air circulation fan
- Mist distribution pipe kit that can be easily adapted on site.
- In room RH% sensor
- Optional remote controller.

IN DUCT

For In-duct configuration the **AUL01** (without air circulation fan) will be prepared so it is easy to install on the side of the duct.

- Special air intake and mist distribution piping kit.
- In duct RH% sensor.
- Optional remote controller.

HYGIENIC

AUL01 is equipped with drain valve. Automatic and regular drain cycle are performed to ensure that water cannot be stagnant in the tank.

Air inlet is filtered to avoid water contamination from air particles and bacteria.

INNOVATION

Most versatile modular configuration and installation.

Modbus RTU connection as standard

Optional Touch screen controller

Optional WiFi connectivity



Best warranty of the industry!

If your humidifier installation has been verified and validated (with a start-up report) by one of our authorized representatives.

VERSATILE APPLICATIONS

HVAC industry

Server room or data center CRAC
Office or residential small AHU
Fan coil integrated humidifier

Retail industry

Vegetables refrigerated counters
Meat or Deli refrigerated counters
Cheese counter
Humidor

Agro food industry

Marijuana growing rooms
Wine cellars
Meat ageing rooms

TECHNICAL DATA

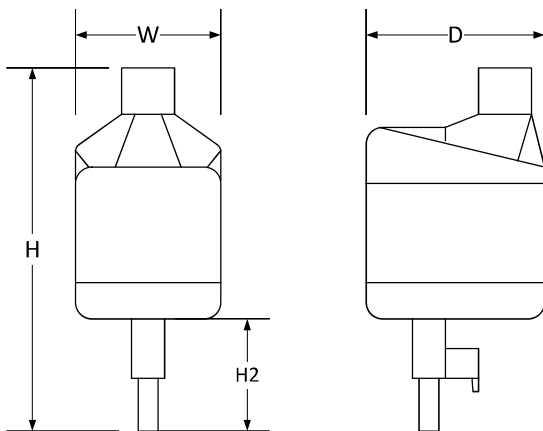
Model	AUL01	AUL02	...	AUL10	...	AUL16
Capacity (lb/h) [kg/h]	1.0	2.0		10.0		16.0
Power (W)	110W	220W		1100W		1760W
Supply voltage (Vac/ph-freq)	100 to 240Vac / 1ph - 50/60Hz	100 to 240Vac / 1ph - 50/60Hz		100 to 240Vac / 1ph - 50/60Hz		100 to 240Vac / 1ph - 50/60Hz
Water pressure (PSI) [kPa]	20 to 100kPa	20 to 100kPa		20 to 100kPa		20 to 100kPa
Water conductivity (μ S.cm)	0 to 1250 max	0 to 1250 max		0 to 1250 max		0 to 1250 max
Nb of module	1	2		10		16

Supplied with 100-240Vac power supply, wall mounting bracket, water supply braided hose and drain hose.

Kit D (in Duct humidification), supplied with PVC air duct and air filter.

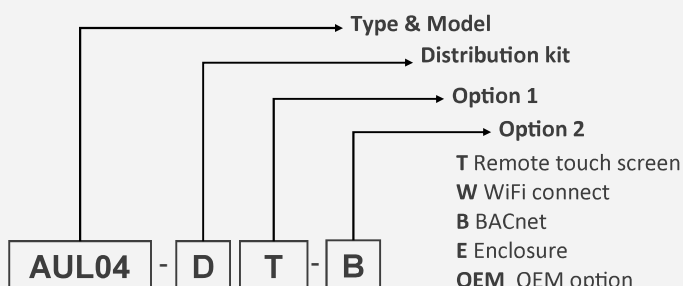
Kit S (in Space humidification), supplied with air inlet fan and air filter.

TECHNICAL DRAWINGS



Model	Dimensions (cm)				Net Weight
	W	H	H2	D	
AUL01	10.8	26.3	6.5	14.8	1.6kg
AUL02	21.6	26.3	6.5	14.8	3.2kg
AUL10	108.0	26.3	6.5	14.8	16.0kg
AUL16	173.0	26.3	6.5	14.8	25.6kg

NOMENCLATURE



LIST OF OPTIONS

- Remote Touch screen controller
- BACnet remote control
- WiFi connectivity
- Painted aluminum enclosure
- OEM kit options