

Description of the device

This type of humidification creates aerosols by high-frequency vibrations. The vibrating dishes (about the size of a 2 euro coin) are laying in a water tray. The molecules can not follow these vibrations and will kind of explode. This creates small droplets, the small ones are blown away by a built-in fan and the big ones fall back into the reservoir.

Pure water (RO water) is highly recommendable. This technology is suited for small capacities and in small rooms because of its very low sound level.

Ultrasonic humidification is ideal for small and low rooms, where for example dehumidification by cooling or air conditioning occurs. Using ultrasonic vibrations the finest droplets possible are created which are quickly absorbed by air. Perfect for stills, critical (sub-zero) applications, CTP, digital printing rooms, laboratories, offices and small air handling units.







Main features

- Finest atomisation method
- Extremely energy efficient (0.12 - 1.3 kW)
- Almost noiseless
- Bacteria free atomisation due to the integrated water treatment
- Proportional humidity control



Technical details

Unit	CU-0.5	CU-1.5	CU-3	CU-6	CU-18
Part number	11361	7103	7104	7105	7106
Capacity [kg/hr]	0.5	1.5	3	6	18
Photograph					
Dimensions [mm] (HxLxW)	220 x 150 x 150	270 x 260 x 100	330 x 260 x 210	450 x 260 x 290	660 x 420 x 290
Weight [kg]	4	8	11	18	43
Power consumption [kW]	0.06	0.12	0.25	0.45	1.3
Recommended water German Hardness [dH]	0	0	0	0	0
Conductivity water [μ S/cm]	10-150	10-150	10-150	10-150	10-150
Exhaust pipes [mm]	1 x \varnothing 40	1 x \varnothing 40	1 x \varnothing 80	2 x \varnothing 80	2 x \varnothing 110
Water inlet [male]	3/4	3/4	3/4	3/4	3/4
Water outlet [male]	3/4	3/4	3/4	3/4	3/4
Build-in ozone generator	Yes	Optional	Optional	Optional	Optional
Microcomputer controlled	Yes				
Proportional humidity control	Yes				
Connectible to AHU	Yes				
Stand alone	Yes				
Control signal	0-10 V - 4-20 mA				
Integrated RH control with external electronic sensor	Yes				
Automatic flushing included	Yes				
Material	Chemically polished stainless steel 316 housing				
Recommended water temperature [$^{\circ}$ C]	2-35				
Ambient temperature, min.-max. [$^{\circ}$ C]	1-40				

Subject to changes.