

humiSonic: ultrasound humidifier

The optimum solution for providing the humidity needed in small HVAC (fan coils) or commercial refrigeration systems (refrigerated showcases), and many industrial applications. All with maximum care for hygiene and safety.



- energy saving! Ultrasound humidification consumes over 90% less energy than steam generation!
- comfortable conditions guaranteed by controlling humidity.



dedicated humidity probe



flow sensor



distribution system

humiSonic exploits the high frequency vibrations of the piezoelectric elements immersed in water to produce **very fine droplets** (1-5 microns) that evaporate extremely quickly. humiSonic has a built-in fan and hose to carry the moisture to where it is needed; in the case of ducts air or pressurized environments, an intake hose can also be supplied, so as to create a closed circuit and equalize operating pressure.

humiSonic has a built-in control board, can communicate via Modbus[®], control other humiSonic units in a cascade, read a humidity probe and adjust production based on a set point, accept an external signal (including from an inductive sensor that detects, for example, whether the fan on a fan coil is operating). It can be "hot" connected to a keypad/display for setup and diagnostics.

A truly complete controller, unique on the market for this product class, which solves several problems for those wanting to integrate humiSonic into their system.

humiSonic is available with two capacities: 1.1 and 2.2 lbs/hr (0.5 and 1 kg/h).

The humidity production section can be easily removed for maintenance, leaving the support that encloses the electronic controller. Maximum care has been paid to hygiene: humiSonic **never contains stagnant water**, runs regular automatic rinsing cycles, and is made using a **special bacteriostatic plastic**.



Energy saving

Ultrasound humidification features very low power consumption (40 W). humiSonic is a solution that meets the latest energy saving expectations.



Hygiene

This is one of the main strengths of humiSonic, ensured by completing periodical washing cycles in which the tank is completely emptied, and the gradual release of the silver ions contained in the tank.



Easy installation and maintenance

Its compact and ergonomic design make humiSonic easy to install (both on new generation fan coils, and retrofits on existing units) and service.