

How Do Ultrasonic Humidifiers Work

<https://www.bjultrasonic.com/>

Although humidifier can help to increase humidity levels in a room or area, [ultrasonic humidifier](#) works in a way that is very different than humidifiers. Here, let's take a look how an ultrasonic humidifier works?

1. Ultrasonic Sensor

As we know, standard humidifier uses a wick/fan system to distribute moisture into a space. However, an ultrasonic humidifier uses an ultrasonic sensor to form water droplets which are then dispersed into the air in a cool (or sometimes warm) haze.

2. Transducer

Ultrasonic humidifier makes use of an [ultrasonic transducer](#). Transducer, a system transfers an energy signal between one form and another, can form ultrasonic energy, sound waves (above 20,000 Hz) that are not perceptible to the human ear by using its power source (electrical energy). <https://www.bjultrasonic.com/shop/ultrasonic-atomizing-transducer/>

3. Metal Diaphragm

A vibrating metal diaphragm can form water droplets, which are expelled by the system.

4. Health Concerns

Along with water droplets, ultrasonic humidifiers may disperse, then any bacteria present in the water out into the air. Here, many humidifiers make use of antibacterial methods, such as, for instance, ultraviolet light sources to overcome this. In order to help prevent potentially irritating or dangerous contamination, please frequently change the water in an ultrasonic humidifier.
