

Advantages of Ultrasonic Nebulizers Over Compressed Air Nebulizers

<https://www.bjultrasonic.com/ultrasonic-nebulizers-advantages-over-compressed-air-nebulizers/>
For people who have asthma or some types of allergy and want relief from their medical conditions, [ultrasonic nebulizers](#) are a very good option compared to regular nebulizers. Ultrasonic nebulizers transform a medicated solution into tiny droplets faster. These nebulizers also do their job in a quiet way.

How They Work

Ultrasonic nebulizers contain transducers that produce ultrasonic sound waves. It is the ultrasonic sound waves that transform the medicated solution into very small droplets. The sound waves convert the solution when they get in contact with the solution's surface. Because of the way that ultrasonic nebulizers convert medicated solution to mist, aerosol therapy becomes even more effective. That is because the important particles of the solution are evenly distributed. <https://www.youtube.com/watch?v=kZGI3liPWMY> Ultrasonic means high frequency sound. Human ears cannot detect sounds that are ultrasonic. Therefore, the ultrasonic sound waves in ultrasonic nebulizers cannot damage human hearing.

Ultrasonic Nebulizers vs. Compressed Air Nebulizers

Regular nebulizers use compressed air to convert medicated solution into mist. While this method is also effective in giving relief to a person with asthma, the method that ultrasonic nebulizers utilize is better. Unlike compressed air nebulizers, ultrasonic nebulizers do not use heat. Heat degrades the quality of the medicated solution.

Other Uses

There are ultrasonic nebulizers that work as humidifiers. These are the larger ultrasonic nebulizers. They are big enough to increase a room's humidity. Instead of medicated solution, ultrasonic humidifiers transform water into mist. Moreover, humidifying ultrasonic nebulizers have fans that distribute the mist.

Benefits and Precautions

Small ultrasonic nebulizers and humidifying ultrasonic nebulizers relieve people with asthma of their discomfort that is brought about by their medical condition. These nebulizers maximize the effectiveness of medicated solutions because they do not use heat to convert the medicine into mist. Moreover, humidifying ultrasonic nebulizers can treat other conditions such as dry skin and cold. However, there are studies that show that some bad microorganisms can be dispersed by nebulizers. Therefore, to prevent any harmful effects, it is very important to follow the nebulizer usage instructions properly.

Beijing Ultrasonic

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