

Model 241 Ultrasonic Nebulizers

Make micron and sub-micron particles from liquids

Particles Made Easy

Sonaer's ultrasonic nebulizers process liquids up to 250 milliliters per hour allowing them to be used in a wide variety of applications and special processes requiring micron and sub-micron particles.

With the optional containment cylinder, ultrasonic nebulization is maximized. Liquids enter the ports within the side of the cylinder and are kept to the optimum height over the atomizer element, making it easy to move particles from the cell with either a small air flow, gas carrier or vacuum.

As liquids sit on top of the vibrating element, waves begin to push the liquid upward into a cone like shape. Off the surface of this cone like shape, particles break off the surface and fill the cell. Larger particles fall to the bottom of the vessel and get reprocessed, whereas the smaller micron particles levitate inside the cell and are ready to be moved from the cell for processing.

Sonaer makes vessels either stainless steel or PVC Type 1. Glass and TEFLON coated vessels can be specially ordered.

For more information and other ultrasonic generators, please see our website at www.sonozap.com



Sonaer's ultrasonic nebulizers make liquids into cloud-like particles. Ultrasonic nebulizers come in 2.4MHz facilitating the need to make micron and sub - micron particles from chemicals. Model 241 is a single element nebulizer used in Sonaer's Nebulizer Arrays, for increased particle generation.

The units are compact with surface mounted components and have TEFLON or viton seals with a TEFLON coated mounting plate. Holes surround the flange of the mounting plate allowing it to be attached to tanks, vessels and standard pipe sizes.

The unit includes our 24 VAC power supply with quick disconnect connector which supplies the 24 VAC and has a jumper wire for connecting to an optical switch for particle control applications, such as humidity control, spray coating applications, fuel burning, ultra fine powder manufacturing, substrate fabrication, to name a few.