Ultrasonic Liquids Atomizer

For more than 20 years we have been manufacturing piezoelectric ceramic ultrasonic atomizers. Here liquids are atomized without the need of pressure and heating according to a very special process. A liquid column is set into oscillation, thus creating an aerosol which is uniquely homogeneous.

Johnson Matthey ultrasonic atomizers are used in a big variety of fields. They are especially suitable for humidifiers in cold shelves, for inhalers in the medical field, or for creating micro-climates. Their advantages are not only found in silent operation or their space-saving size but also, above all, in their economical and ecological aspects.

A variable volume setting of 0 to 100% allows a consumption precisely matched to your needs without having to retain and return any larger droplets. Energy consumption can be reduced since the liquid does not have to be evaporated and spray losses can be avoided. Propellant gases are made superfluous by these applications and Johnson Matthey quality level guarantees long maintenance intervals and a long working life.

Our ultrasonic liquid atomizer “LIQUIFOG®” was specially developed for humidifying cold shelves and is already successfully in use in many cases.

Other applications are manufactured by us according to the individual requirements of customers. Please do not hesitate to direct any related inquiries to us.

Example: LIQUIFOG® II
Principle

Atomizing capacity
V = 0 - 0.5 l/h

Most common droplet size:
dH » 3 µm

Operating frequency:
fA » 1.6 MHz

Protection against moisture:
IP 68

Supply voltage:
24V DC ± 10%

Power input
24 V DC, 2.5 A

Dimensions:
dia. 95 mm, h= 45 mm