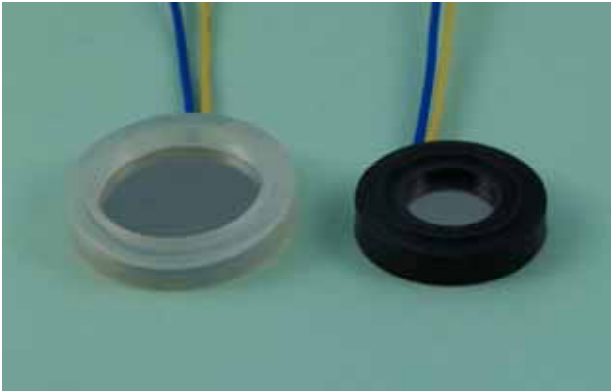


Ultrasonic Atomizing Transducers



The ultrasonic atomizing transducers use our factory-made high Q hard type piezoelectric ceramic element and is ideal for atomizing liquids. A very fine mist having a particle diameter of only a few microns can be generated. We not only supply the atomizing element but also the entire assembled transducer unit with a silicone rubber holder.

Features

- Piezoelectric ceramic element clad with stainless steel for erosion resistance.
- Fine and consistent particle size of less than $3\mu\text{m}$
- High atomizing efficiency >400 cc/hour
- Less power consumption
- High stability and durability

Applications

- Humidification in refrigerated food displays and storage, living environments, and air conditioning plants.
- Inhalation and disinfecting equipment
- Humidification in industrial process control for lubrication, coating and etc.

Specification

M165D25	25mm Dia.
Resonance Frequency	1.65 ± 0.05 Mhz
Resonance Impedance	2.0Ω max.
Capacitance at 1Khz $\pm 20\%$	2,000 pF
Dissipation Factor at 1Khz	0.5% max.
Operation Duration (hour)	$>6,000$
Atomizing Quantity	400 cc/hr
Water Level	45 mm
Input Power (maximum)	30 Watt
Operation Temperature	0 to 45°C
Storage Temperature	-20 to 65°C

All specifications are typical at 25°C .

Other frequency and diameter elements can be supplied upon request.

Dimensions

