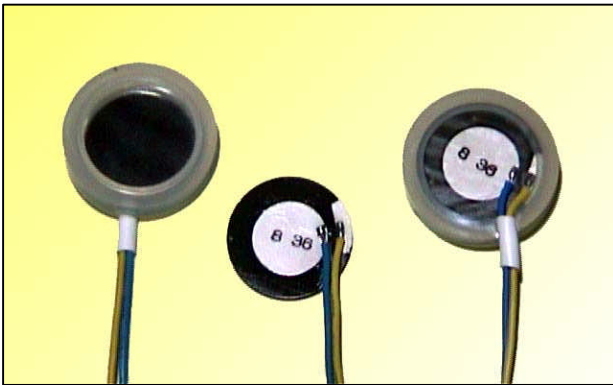


## Ultrasonic Atomizing Transducers



Pro-Wave has dedicated in ultrasonic field over 19 years since 1980 and earned a worldwide reputation for his specialty, flexibility and sincerity in the past decades.

The ultrasonic atomizing transducers using our factory made high Q hard type piezoelectric ceramic element is ideal for atomizing liquids. A very fine mist having a particle diameter of only a few microns can be generated.

We are not only supply atomizing element but also entire assembled transducer unit with 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

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

All specification is typical at  $25^{\circ}\text{C}$ .

Other frequency and diameter element can be supplied upon request.

### Dimensions

