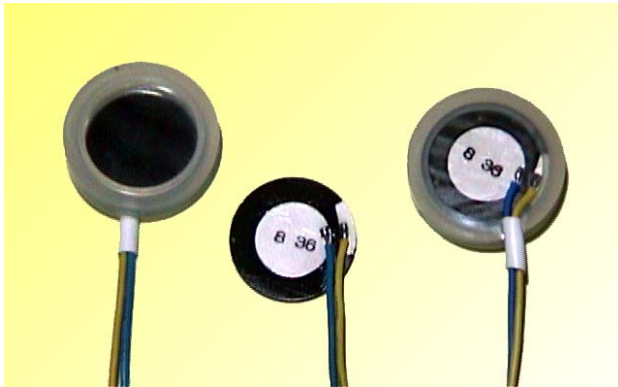


# Ultrasonic Atomizing Transducers



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 $\mu$ m
- High atomizing efficiency >400 cc/hour
- Less power consumption
- High stability and durability

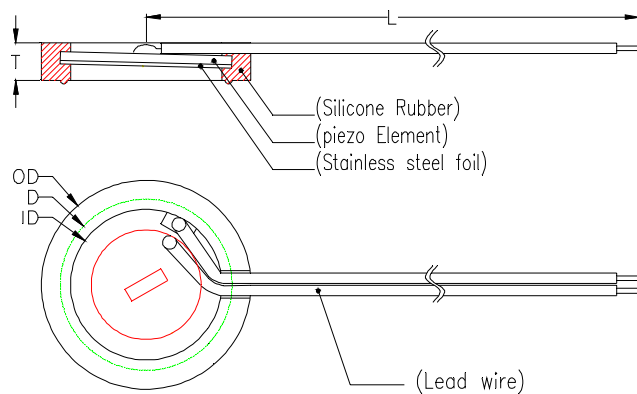
## Applications

- 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:

| Model Number                 | M165D20         | M165D25         |
|------------------------------|-----------------|-----------------|
| Resonance Frequency (MHz)    | 1.65 $\pm$ 0.05 | 1.65 $\pm$ 0.05 |
| Resonance Impedance (Ohm)    | <2.0            | <2.0            |
| Capacitance at 1KHz (pF)     | 2,000 $\pm$ 20% | 2,000 $\pm$ 20% |
| Dissipation Factor at 1KHz   | <0.5%           | <0.5%           |
| Operation Duration (hour)    | >5,000          | >5,000          |
| Atomizing Quantity (cc/Hour) | 300             | 400             |
| Input Power (maximum)        | 25              | 30              |
| Operation Temperature        | 0 to 45°C       | 0 to 45°C       |
| Dimensions                   | L               | 110             |
|                              | T               | 5               |
|                              | OD              | 25              |
|                              | ID              | 17.4            |

## Dimensions dimensions are in mm



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