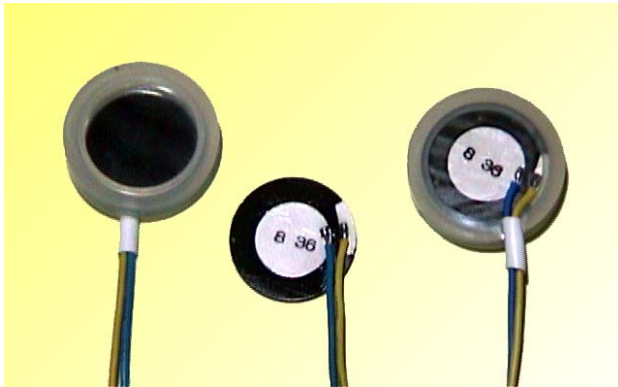


# Ultrasonic Atomizing Transducers



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

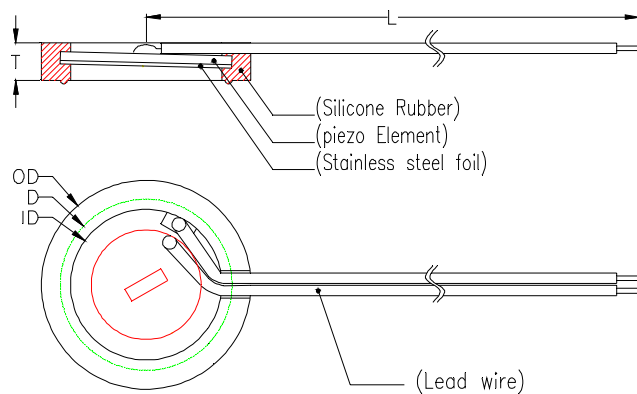
## Applications

- 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



**S. Square Enterprise Company Limited**  
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