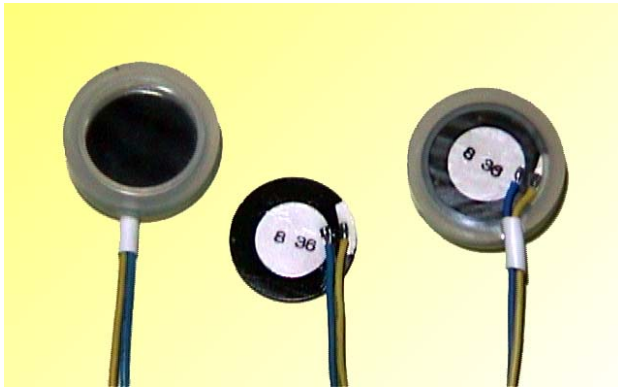


Ultrasonic Atomizing Transducers



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 $3\mu\text{m}$
- High atomizing efficiency >400 cc/hour
- Less power consumption
- High stability and durability

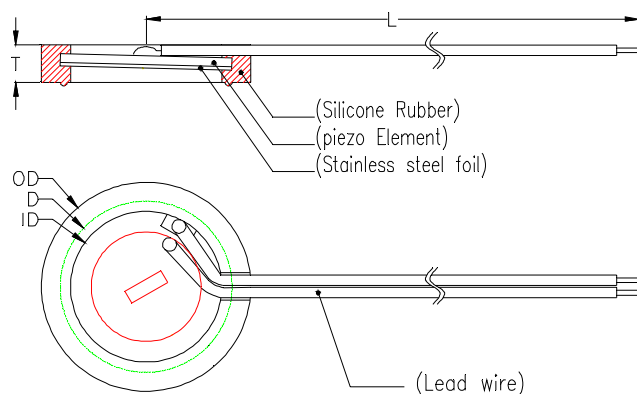
Applications

- 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:

Model Number		M165D20	M165D25
Resonance Frequency (MHz)		1.65 ± 0.05	1.65 ± 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	110
	T	5	5.5
	OD	25	30.5
	ID	20	25
	D	20	25
	ID	17.4	22

Dimensions dimensions are in mm



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