

Piezo element products group

Humidifier vibrators

Ultrasonic energy generated from the piezoelectric elements will be larger. The center of the sound pressure is focused with certain directivity. The Power of the focused sound pressure, it lifts up the water surface, and arises the water column. Waterfilm of water column tip is tearing, and then splashing the misty offine particles to the air. This action is the atomization principle by ultrasonic. In the high-frequency and high-power, and it provides a dedicated vibrators having excellent durability.

Typical Applications

- Humidifiers
- Chemical liquid inhalers
- Medical nebulizers
- Face beauty steams
- Dampening such as plant cultivations



Representative varieties and specifications

Types	Element's OD	Characteristics of the elements				*Drive conditions			
		Resonant frequency	Resonant resistance	Capacitance	Coupling factor	Input voltage	Input current	Water height	Atomization amount
	[mm]	[MHz]±4%	[Ω] max.	[pF]±20%	[%] min.	[V]	[A]	[mm]	[ml/h]
1.63Z25D-EYXSH(C-213)B	φ25	1.63	3	2050	40	48	0.75	43	400
1.63Z20D-QS(C-204)	φ20	1.63	3	2300	40	48	0.65	50	400
2.4Z20D-QS(C-204)	φ20	2.4	3	1850	40	24	0.6	35	200

※Based on our standard circuit and humidifier.