

VORTEX

ULTRASONIC SPRAY NOZZLE

All Sono•Tek ultrasonic nozzles, with their characteristic soft spray, dramatically reduce overspray, which saves money and reduces atmospheric contamination. They also open up a broad range of new application possibilities. They are ideal, for example, when extremely low flow rates are required. Since they will not clog or wear out, they reduce downtime in critical manufacturing processes.

The Vortex ultrasonic nozzle brings a new dimension to these attributes by using low-velocity, rotational air to produce a wide, stable spray pattern.



VERSATILE, RELIABLE, CONSISTENT

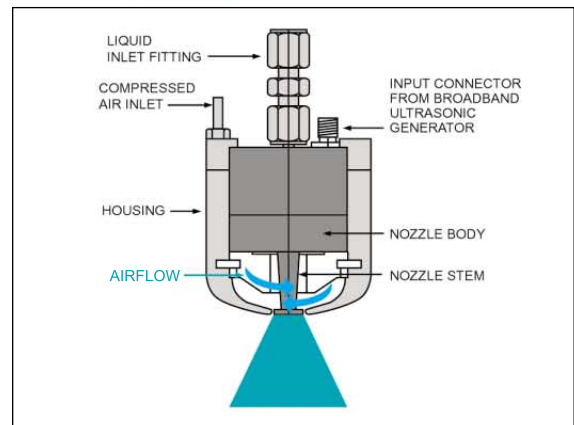
Vortex Ultrasonic Spray Nozzle

- Controllable, rotational air movement
- Produces a conical spray pattern that is 2"-6" in diameter, depending on frequency and distance to substrate
- Capable of spraying in any orientation over a range of ultrasonic frequencies*:
 - 25 kHz, 70 μ drop
 - 35 kHz, 49 μ drop
 - 48 kHz, 38 μ drop
 - 60 kHz, 41 μ drop
 - 120 kHz, 18 μ drop
- Vortexing velocity can be varied depending on application

* All drop sizes based on atomizing water

Sono•Tek ultrasonic nozzles feature:

- Up to 80% reduction in material consumption
- Reduced wasteful overspray and atmospheric contamination
- Minimal servicing and downtime
- Non-clogging ultrasonic nozzle
- Corrosion-resistant titanium and stainless steel construction (vortex shroud made of Delrin standard)
- Ultra-low flow rate capabilities, intermittent or continuous
- Highly controllable spray produces reliable, consistent results



SONO•TEK Corporation
leadership through innovation

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