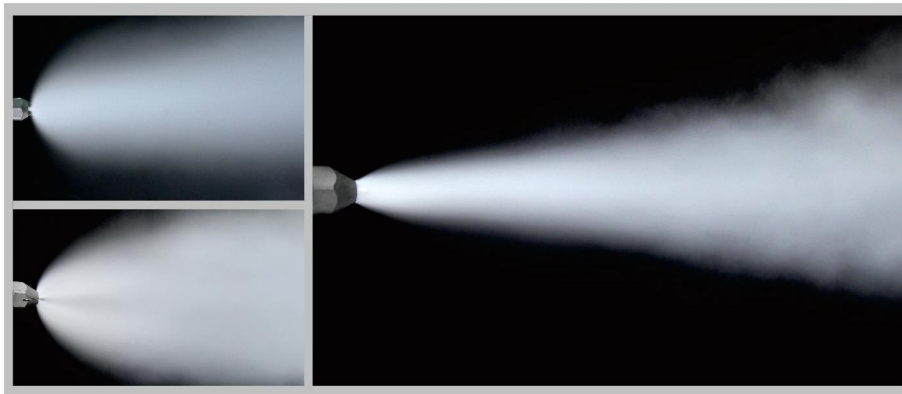


➔ Ultrasonic Atomizing Nozzle

1. Spray Performance



➔ Installation

The ultrasonic atomizing nozzle can connect by the two different adapters, common type and thin-wall types.



Common types



The thin-wall types(With tight cap)

2. Atomizing principle and Characteristic

2 Steps to finish atomization:

- ◎ Step 1, Preliminary atomization: Fine water stream was sheared by high-speed flowing air.
- ◎ Step 2, Fine particle water mist: The initial atomized water droplets mixed high-speed air flow, impinging on the vibrating head.

Advantages:

- ◎ The average droplets are small and uniform. It is very important for the dust suppression.
- ◎ The vibration of the impinging head and high-speed air can avoid the dust adhere to the spray hole. It is reliable and less fixed.

3. Technical Datas:

Please see the following parameters:

Model Type	Air Pressure (bar)	Water Pressure (bar)	Air Flow (L/min)	Water Flow (L/min)	Water Flow (m ³ /Hr)	Average Droplets (μm)	Spray Distance (m) <without wind>	Angle (°)
SK508	5.0	1.0	112	0.359	0.022	Testing Height 0.5m :18.02	≈ 2	80
SV882	5.0	1.0	240	0.746	0.045	Testing Height 1.5m :23.79	≈ 3.5	60
SV980	3.0	0.5	307	0.688	0.041	Testing Height 2.0m :35.82	≈ 4	30

4. Nozzle Appearance



SK508



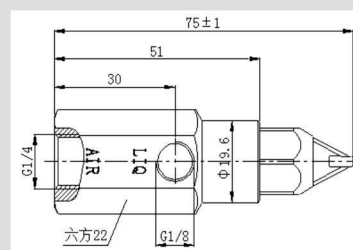
SV882



SV980

Common types

Common types can be welded or other methods to Fix at the working point water inlet thread is G1/8, Air inlet thread is G1/4.



The thin-wall types

The thin-wall types install on the thin wall, the bottom thread fit into the thin wall openings, and use the caps to fix it on the wall.

