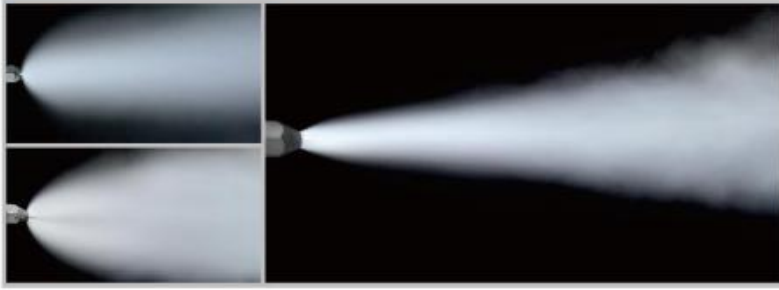


# Ultrasonic Atomizing Nozzle

## Spray Performance



## 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.

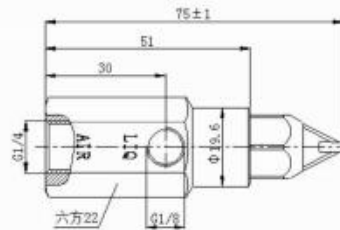
## Technical Datas

Please see the following parameters:

Model Type	Air Pressure (bar)	Water Pressure (bar)	Air Flow (L/min)	Water Flow (L/min)	Water Flow (m <sup>3</sup> /Hr)	Average Droplets (μm)	Spray Distance (m)   <small><without wind></small>	Angle (°)
SK508	5.0	1.0	112	0.359	0.022	Testing Height0.5m :18.02	≈2	80
SV882	5.0	1.0	240	0.746	0.045	Testing Height1.5m :23.79	≈3.5	60
SV980	3.0	0.5	307	0.688	0.041	Testing Height2.0m :35.82	≈4	30

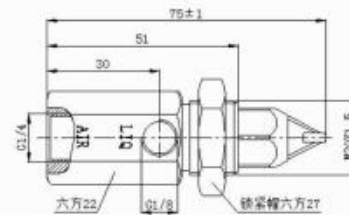
## Common types

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.



## 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)

## Nozzle Appearance



SK508

SV882

SV980