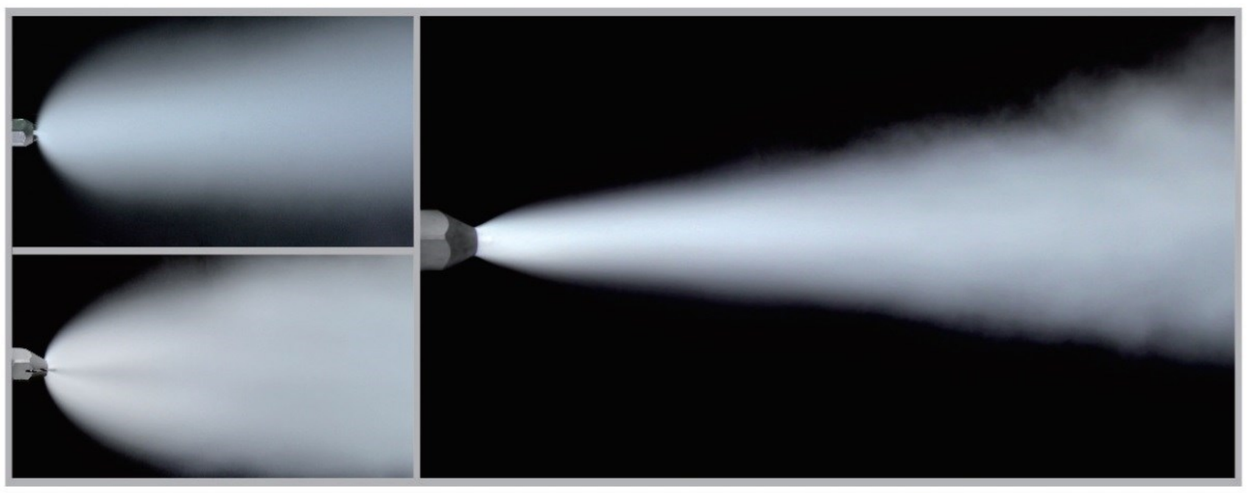
Ultrasonic Atomizing Nozzle

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.

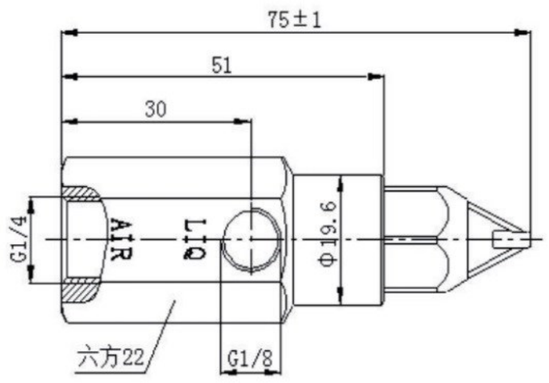
Technical Datas

Please see the following parameters:

Model Type	Air Pressure (bar)	Water Pressure (bar)	Air Flow (L/min)	Water Flow (L/min)	Water Flow (m^3/Hr)	Average Droplets (μm)	Spray Distance (m) <without wind>	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

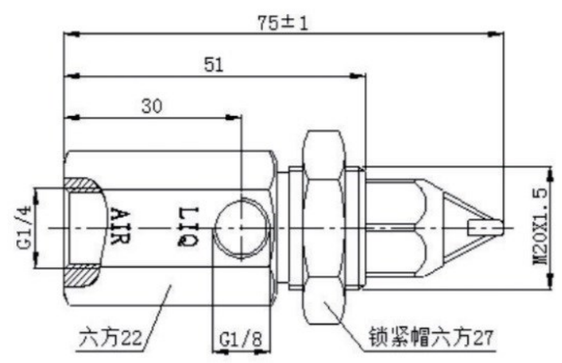
Common types

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.



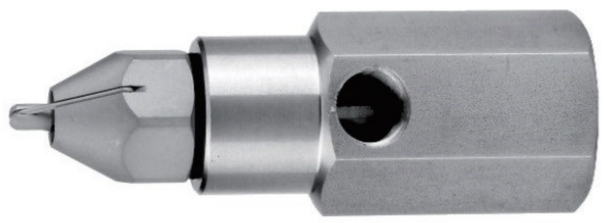
The thin-wall types

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.

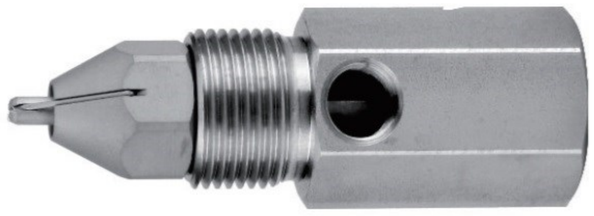


Installation

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