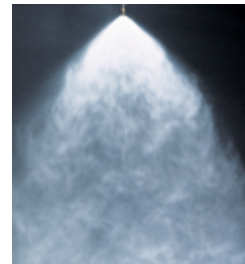


Air Mist Nozzles

► Features

- Simple internal structure of nozzle has highly resistant to clogging and easy to maintain.
- Uniform water flow distribution.
- Various shapes such as compact and bent types.
- Low consumption of air.
- Wide control range.
- Small mean droplets size and less discrepancy.
- Super wide angle type available.
- Can be mounted in a corner or limited space by using a mixing tube.
- High resistance to wear with long service life due to simultaneous flow of air.



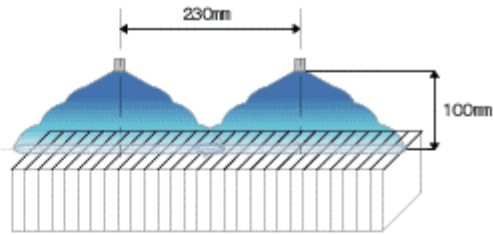
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► Applications

- Secondary cooling in continuous casting machines.
 - Cooling of gases
 - Spraying of chemicals
 - Waste water atomizing
 - Humidification in paper mill.
-

Distribution graphs

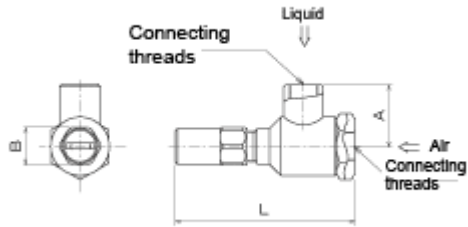
Nozzle model number $\frac{3}{8}$ KSAME52120 - $\frac{3}{8}$ S750 - $\frac{3}{8}$ A57 $\frac{3}{8}$ W35



Water flow rate distribution	impact force distribution	Test Condition
<p>Water flow density (%)</p> <p>Distance from overlap center(mm)</p>	<p>impact force</p> <p>Spray width</p>	<p>Air volume =29.0m³/h (Nor.)</p> <p>Water volume =0.93ℓ /min</p> <p>coverage ratio of air and water =520</p>
<p>Water flow density (%)</p> <p>Distance from overlap center(mm)</p>	<p>impact force</p> <p>Spray width</p>	<p>Air volume =19.5m³/h (Nor.)</p> <p>Water volume =0.57ℓ /min</p> <p>coverage ratio of air and water =34</p>
<p>Water flow density (%)</p> <p>Distance from overlap center(mm)</p>	<p>impact force</p> <p>Spray width</p>	<p>Air volume =14.9m³/h (Nor.)</p> <p>Water volume =17.2ℓ /min</p> <p>coverage ratio of air and water =14</p>

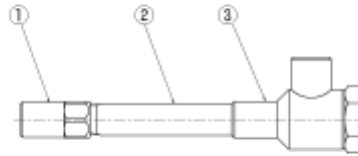
Shapes and dimensions

Compact type



NPT thread is also available.

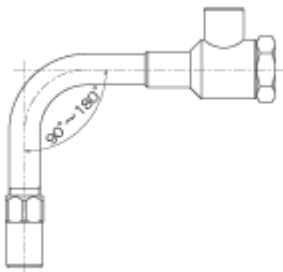
Straight type



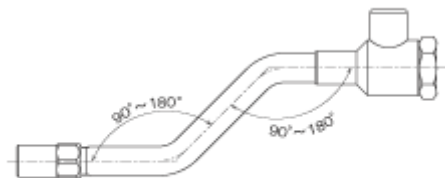
Model	Dimensions(mm)			Connecting threads		Weight (g)
	A	B	L	Liquid	Air	
1/4 KSAME	34.5	17	100	Rc 1/4	Rc 1/4	200
3/8 KSAME	34.5	21	100	Rc 3/8	Rc 3/8	350
1/2 KSAME	49	26	140	Rc 1/2	Rc 1/2	850
3/4 KSAME	49	32	150	Rc 1/2	Rc 1/2	1000

No.	Part name
1	Nozzle tip
2	Pipe
3	Mixing body

Elbow type



Bent type



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■ Model and Model Number representing

● Model number of nozzle tip

1/4 K S A M E 1360
| | |
Connecting threads Material Model number
S - Stainless steel
B - brass

● Model number of mixing body

1/4 A 33 1/4 W 26
| | |
Connecting threads for air Connecting threads for liquid

