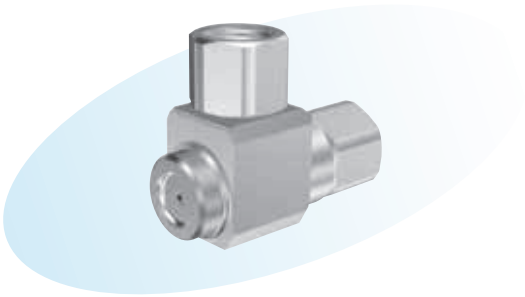
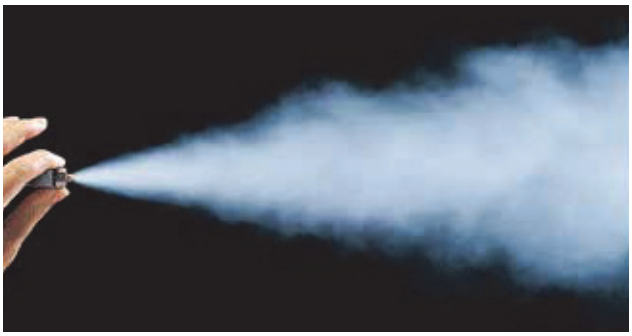
# Mini Mist Nozzle External mixing type





## Features

- Compact and light weight design.
- Fine droplet.
- Simple structure minimizes clogging, and for easy cleaning.
- Self-suction spraying possible.

## Applications

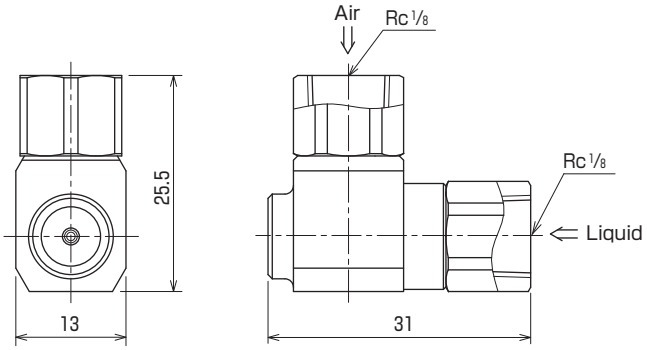
- Flower cultivation, fountains, cooling of gases.
- Spraying of chemicals, humidification, etc.

## Materials

- 303 Stainless steel

## Shapes and dimensions

● KSMME




| Weight [g] | 35 |
|---|---|

＊NPT thread is also available.

●Model and Model Number representing

K S M M E 04−10−13

Model number

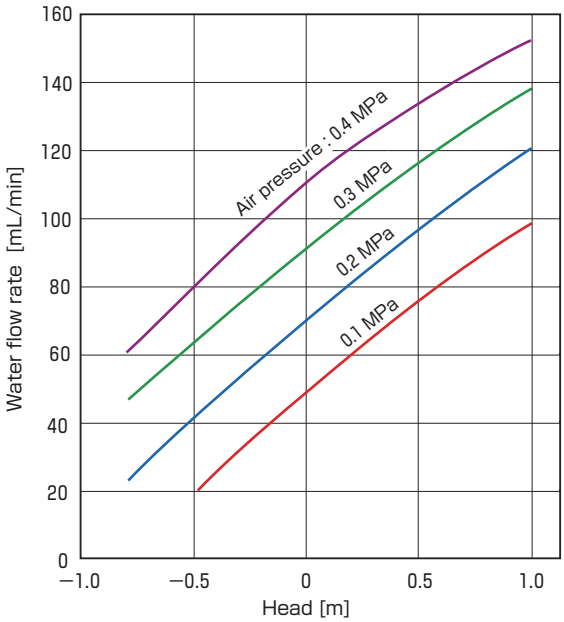
## ● Standard type model number list

| Model | Model number | Min. orifice diameter for liquid [mm] | Air pressure [MPa] | Air flow rate [L/min(nor)] | Water flow rate [mL/min] at following pressure head [m] | | | | | | | Spray angle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | −0.8 | −0.5 | −0.3 | 0 | 0.3 | 0.5 | 1.0 | |
| KSMME | 04-10-13 | 0.4 | 0.1 | 11 | – | – | 12 | 18 | 22 | 26 | 32 | 18° |
| | | | 0.2 | 17 | 8 | 16 | 20 | 24 | 28 | 31 | 38 | |
| | | | 0.3 | 23 | 15 | 21 | 24 | 29 | 33 | 36 | 42 | |
| | | | 0.4 | 29 | 20 | 25 | 29 | 34 | 37 | 40 | 46 | |
| | | | 0.5 | 34 | 23 | 28 | 32 | 37 | 41 | 44 | 50 | |
| | 07-12-18 | 0.7 | 0.1 | 29 | – | 20 | 32 | 50 | 65 | 76 | 100 | 18° |
| | | | 0.2 | 44 | 22 | 43 | 56 | 72 | 86 | 98 | 121 | |
| | | | 0.3 | 58 | 45 | 65 | 75 | 92 | 107 | 118 | 138 | |
| | | | 0.4 | 73 | 60 | 80 | 94 | 110 | 124 | 134 | 152 | |
| | | | 0.5 | 87 | 71 | 94 | 106 | 122 | 134 | 142 | 160 | |
| | 10-15-20 | 1.0 | 0.1 | 28 | – | 14 | 50 | 88 | 126 | 148 | 196 | 18° |
| | | | 0.2 | 42 | 9 | 55 | 82 | 122 | 160 | 180 | 225 | |
| | | | 0.3 | 56 | 40 | 86 | 111 | 155 | 190 | 210 | 254 | |
| | | | 0.4 | 70 | 67 | 108 | 135 | 180 | 215 | 234 | 274 | |
| | | | 0.5 | 84 | 82 | 130 | 158 | 200 | 232 | 250 | 292 | |

## Performance data

### Characteristic curves

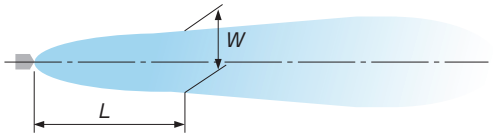
Nozzle model number KSMME 07-12-18



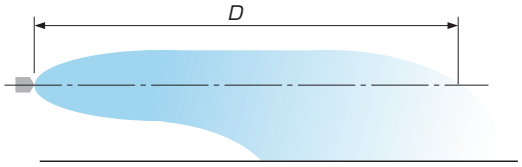

### Spray patterns

Nozzle model number KSMME 07-12-18

〔Widthwise, view from the top〕



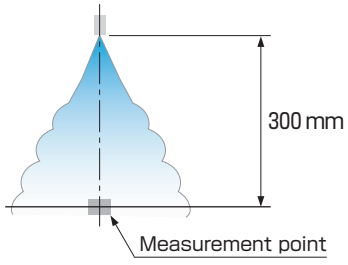

〔Thicknesswise, view from the side〕

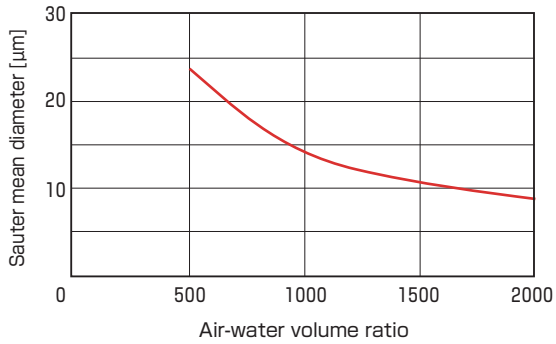



| Air pressure [MPa] | Pressure head [m] | Air flow rate [L/min (nor)] | Water flow rate [mL/min] | Air-water volume ratio | Spray pattern value [mm] | | |
|---|---|---|---|---|---|---|---|
| | | | | | D | L | W |
| 0.3 | 0 | 58 | 92 | 630 | 2000 | 200 | 70 |
| | | | | | | 500 | 180 |
| | | | | | | 1000 | 300 |

### Particle size characteristic

Nozzle model number KSMME 07-12-18
Water flow rate 50 mL/min




### Particle size and velocity distribution

Nozzle model number KSMME 07-12-18
Air flow rate 75 L/min (nor)
Water flow rate 50 mL/min
Air-water volume ratio 1500

