



# Air Atomizing Spray Nozzles

## Siphon Fed Flat Fan Pattern - 1/8 NPT



**Model: SF8010SS**  
**Material:** Type 303 Stainless Steel

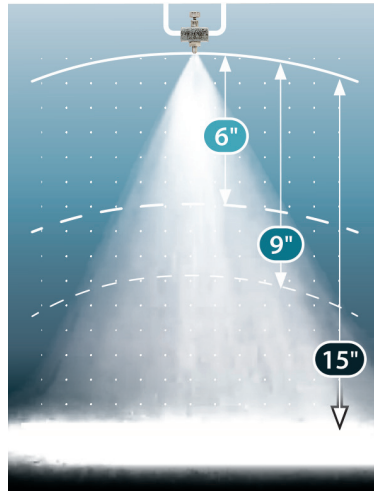
**Model: SF8020SS**  
**Material:** Type 303 Stainless Steel

**Model: SF8030SS**  
**Material:** Type 303 Stainless Steel

### Model SF8010SS, SF8020SS and SF8030SS

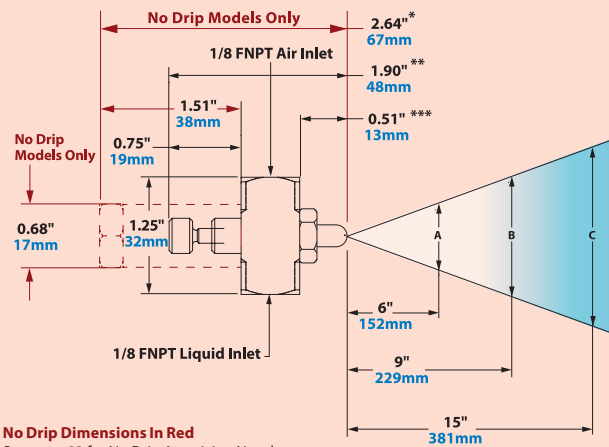
1/8 NPT siphon fed flat fan pattern nozzles are great where no liquid pressure is available and a thin coating is needed over a wide band. Flow rate is adjustable via the adjusting valve. Siphon nozzles work best with a suction height of 36" (914mm) or less. Since these nozzles are siphon fed, the compressed airflow draws the liquid in and mixes it internally. Liquid flow is dependent both on the gravity or suction height and the airflow. Siphon fed flat fan pattern nozzles are the best choice where liquid is needed over a broad band such as a moving assembly line.

Siphon or gravity fed for non-pressurized applications.



1/8 NPT Siphon Fed Flat Fan atomizing nozzles apply a light coating of liquid over a wide band.

### Dimensions and Airflow Pattern



No Drip Dimensions In Red  
 See page 93 for No Drip Atomizing Nozzles

\* Model SF8010SS 2.48" / 63mm  
 \*\* Model SF8010SS 1.74" / 44mm  
 \*\*\* Model SF8010SS 0.36" / 9mm

| Model    | Liquid Flow in GPH/LPH |           |      |      |              |      |      |      |      |               |      |      |      |      |      | Spray Dimensions at 8" (20cm) Siphon Height |      |       |                  |      |                   |      |      |    |    |    |     |    |   |     |
|----------|------------------------|-----------|------|------|--------------|------|------|------|------|---------------|------|------|------|------|------|---|------|-------|------------------|------|-------------------|------|------|----|----|----|-----|----|---|-----|
|          | Air                    |           |      |      | Gravity Head |      |      |      |      | Siphon Height |      |      |      |      |      | Air   |      | Width |                  |      | Max. Depth feet/m |      |      |    |    |    |     |    |   |     |
|          | Pressure PSI/BAR       | SCFM/SLPM | 18"  | 46cm | 12"          | 30cm | 6"   | 15cm | 4"   | 10cm          | 8"   | 20cm | 12"  | 30cm | 24"  | 61cm  | 36"  | 91cm  | Pressure PSI/BAR | A in |                   | B in | C in |    |    |    |     |    |   |     |
| SF8010SS | 10                     | 0.7       | 1.07 | 30.3 | 0.32         | 1.2  | 0.30 | 1.1  | 0.25 | 1.0           | 0.24 | 0.9  | 0.23 | 0.9  | 0.18 | 0.7   | 0.17 | 0.7   | 0.14             | 0.5  | 10                | 0.7  | 7    | 18 | 9  | 23 | 12  | 30 | 2 | 0.6 |
|          | 20                     | 1.4       | 1.31 | 37.1 | 0.36         | 1.4  | 0.35 | 1.3  | 0.31 | 1.2           | 0.31 | 1.2  | 0.30 | 1.1  | 0.25 | 0.9   | 0.23 | 0.9   | 0.19             | 0.7  | 20                | 1.4  | 7    | 18 | 9  | 23 | 12  | 30 | 2 | 0.6 |
|          | 60                     | 4.1       | 1.69 | 47.9 | 0.43         | 1.6  | 0.40 | 1.5  | 0.35 | 1.3           | 0.34 | 1.3  | 0.32 | 1.2  | 0.27 | 1.0   | 0.26 | 1.0   | 0.24             | 0.9  | 30                | 2.1  | 7    | 18 | 9  | 23 | 12  | 30 | 2 | 0.6 |
| SF8020SS | 20                     | 1.4       | 1.81 | 51.3 | 1.52         | 5.8  | 1.33 | 5.0  | 1.10 | 4.2           | 0.80 | 0.9  | 0.76 | 2.9  | 0.71 | 2.7   | 0.50 | 1.9   | 0.36             | 1.4  | 20                | 1.4  | 8    | 20 | 9  | 23 | 12  | 30 | 2 | 0.6 |
|          | 30                     | 2.1       | 2.30 | 65.1 | 1.18         | 4.5  | 1.16 | 4.4  | 1.06 | 4.0           | 0.85 | 3.2  | 0.79 | 3.0  | 0.77 | 2.9   | 0.52 | 2.0   | 0.44             | 1.7  | 30                | 2.1  | 9    | 23 | 11 | 28 | 13  | 33 | 2 | 0.6 |
|          | 40                     | 2.8       | 2.83 | 80.2 | 1.01         | 3.8  | 0.90 | 3.4  | 0.83 | 3.1           | 0.70 | 2.6  | 0.67 | 2.5  | 0.63 | 2.4   | 0.42 | 1.6   | 0.27             | 1.0  | 40                | 2.8  | 9    | 23 | 10 | 25 | 13  | 33 | 2 | 0.6 |
|          | 50                     | 3.4       | 3.34 | 94.6 | 0.85         | 3.2  | 0.71 | 2.7  | 0.59 | 2.2           | 0.48 | 1.8  | 0.41 | 1.6  | 0.51 | 1.9   | 0.32 | 1.2   | —                | —    | 50                | 3.4  | 7    | 18 | 8  | 20 | 9   | 23 | 3 | 0.9 |
| SF8030SS | 20                     | 1.4       | 1.78 | 50.3 | 1.45         | 5.5  | 1.40 | 5.3  | 1.38 | 5.2           | 0.94 | 3.6  | 0.90 | 3.4  | 0.77 | 2.9   | 0.72 | 2.7   | 0.61             | 2.3  | 20                | 1.4  | 7    | 18 | 8  | 20 | 9.5 | 24 | 2 | 0.6 |
|          | 30                     | 2.1       | 2.24 | 63.5 | 1.16         | 4.4  | 1.12 | 4.2  | 1.10 | 4.2           | 1.00 | 3.8  | 0.98 | 3.7  | 0.86 | 3.2   | 0.81 | 3.1   | 0.69             | 2.6  | 30                | 2.1  | 7    | 18 | 8  | 20 | 9.5 | 24 | 2 | 0.6 |
|          | 40                     | 2.8       | 2.75 | 77.8 | 0.98         | 3.7  | 0.96 | 3.6  | 0.85 | 3.2           | 0.90 | 3.4  | 0.87 | 3.3  | 0.79 | 3.0   | 0.66 | 2.5   | 0.52             | 2.0  | 40                | 2.8  | 7    | 18 | 8  | 20 | 9.5 | 24 | 3 | 0.9 |
|          | 50                     | 3.4       | 3.00 | 85.0 | 0.83         | 3.2  | 0.79 | 3.0  | 0.70 | 2.6           | 0.75 | 2.8  | 0.69 | 2.6  | 0.66 | 2.5   | 0.51 | 1.9   | 0.44             | 1.7  | 50                | 3.4  | 7    | 18 | 8  | 20 | 9.5 | 24 | 3 | 0.9 |