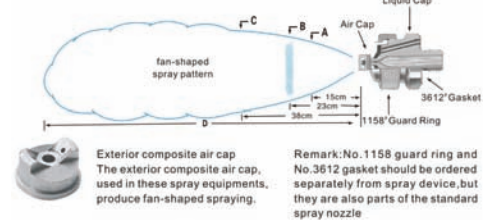




# SUE series

With independent stream and control of Air and liquid inlet, the Air / Liquid Atomising Fan Spray External mix facilitates fine atomisation for liquid that contains abrasive suspended particles and is well suited even for viscosity above 150 centipose.

Spray Angle : 45 or 60 degrees Fan



| spray device model | spray device consists of air cap and fluid cap | liquid flow (L/min)and flow (L/min) |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | Size      |              |        |        |        |        |
|--------------------|------------------------------------------------|-------------------------------------|-------------|-------------|--------------------|-------------|-------------|--------------------|-------------|-------------|--------------------|-------------|-------------|--------------------|-------------|-------------|-----------|--------------|--------|--------|--------|--------|
|                    |                                                | Water pressure (bar)                |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             |           |              |        |        |        |        |
|                    |                                                | 0.2bar                              |             |             | 0.3bar             |             |             | 0.7bar             |             |             | 1.5bar             |             |             | 4bar               |             |             | Air (bar) | Liquid (bar) | A (cm) | B (cm) | C (cm) | D (cm) |
|                    |                                                | Air pressure (bar)                  | Water (L/h) | Air (L/min) | Air pressure (bar) | Water (L/h) | Air (L/min) | Air pressure (bar) | Water (L/h) | Air (L/min) | Air pressure (bar) | Water (L/h) | Air (L/min) | Air pressure (bar) | Water (L/h) | Air (L/min) |           |              |        |        |        |        |
| SUE 15B            | Liquid Cap 1650 and Air Cap 67228-45°          | 0.2                                 | 25.2        | 2.8         | 0.35               | 26.3        | 3.5         | 0.7                | 31.2        | 5.3         | 1.4                | 45.3        | 7.8         | 2.8                | 73.6        | 11.0        |           |              |        |        |        |        |
|                    |                                                | 0.35                                | 26.3        |             | 0.7                | 31.2        |             | 1.05               | 39.6        |             | 1.75               | 53.8        |             | 3.5                | 85.0        |             | 1.05      | 0.2          | 9      | 15     | 23     | 1.2    |
|                    |                                                | 0.7                                 | 31.2        |             | 1.05               | 39.6        |             | 1.4                | 45.3        |             | 2.1                | 59.5        |             | 4.2                | 102         |             | 1.4       | 0.35         | 10     | 15     | 23     | 1.2    |
|                    |                                                | 1.05                                | 39.6        |             | 1.4                | 45.3        |             | 1.75               | 53.8        |             | 2.8                | 73.6        |             | 4.9                | 119         |             | 1.4       | 1.4          | 11.5   | 18     | 25     | 1.5    |
|                    |                                                | 1.4                                 | 45.3        |             | 1.75               | 53.8        |             | 2.1                | 59.4        |             | 3.5                | 85.0        |             | 5.3                | 127.5       |             | 1.75      | 0.7          | 11.5   | 15     | 24     | 1.5    |
|                    |                                                | 1.75                                | 53.8        |             | 2.1                | 59.4        |             | 2.8                | 73.6        |             | 4.2                | 102         |             | 5.6                | 139         |             | 2.8       | 1.4          | 13     | 18     | 28     | 1.8    |
|                    |                                                | 2.1                                 | 59.4        |             | 2.8                | 73.6        |             | 3.5                | 85.0        |             | 5.6                | 139         |             | 6.3                | 159         |             | 4.9       | 2.8          | 15     | 18     | 24     | 2.4    |
| SUE 18B            | Liquid Cap 1650 and Air Cap 67228-45°          |                                     |             | 2.8         |                    |             | 3.5         |                    |             | 5.3         |                    |             | 7.8         |                    |             | 11.0        | 0.4       | 0.3          | 20     | 28     | 33     | 1.2    |
|                    |                                                | 0.35                                | 22          |             | 0.35               | 22          |             | 0.4                | 25          |             | 0.6                | 28          |             | 0.7                | 34          |             | 0.6       | 0.7          | 23     | 30     | 40     | 1.8    |
|                    |                                                | 0.4                                 | 25          |             | 0.4                | 25          |             | 0.6                | 28          |             | 0.7                | 34          |             | 1.1                | 45          |             | 0.6       | 1.5          | 28     | 35     | 46     | 1.8    |
|                    |                                                |                                     |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | 1.1       | 1.5          | 28     | 33     | 43     | 2.4    |
|                    |                                                | 0.5                                 | 27.5        |             | 0.6                | 28          |             | 0.7                | 34          |             | 1.1                | 45          |             | 1.8                | 62          |             | 1.4       | 1.5          | 25     | 30     | 41     | 2.7    |
|                    |                                                | 0.6                                 | 28          |             | 0.7                | 34          |             | 0.85               | 40          |             | 1.4                | 54          |             | 2.5                | 79          |             | 1.1       | 2.0          | 28     | 35     | 48     | 2.6    |
|                    |                                                |                                     |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | 1.4       | 3.0          | 30     | 38     | 51     | 2.7    |
| SUE 15A            | Liquid Cap 2050 and Air Cap 67228-45°          | 0.35                                | 26.3        | 4.5         | 0.7                | 31.2        | 5.5         | 1.05               | 39.6        | 8.3         | 1.75               | 53.8        | 12.2        | 3.15               | 82          | 16.6        | 0.35      | 0.2          | 7.5    | 14     | 22     | 1.0    |
|                    |                                                | 0.7                                 | 31.2        |             | 1.05               | 39.6        |             | 1.4                | 45.3        |             | 2.1                | 59.4        |             | 3.5                | 85          |             | 1.4       | 0.2          | 9      | 15     | 22     | 1.7    |
|                    |                                                | 1.05                                | 39.6        |             | 1.4                | 45.3        |             | 1.75               | 53.8        |             | 2.8                | 73.6        |             | 4.2                | 102         |             | 1.75      | 0.35         | 10     | 16.5   | 23     | 1.8    |
|                    |                                                | 1.4                                 | 45.3        |             | 1.75               | 53.8        |             | 2.1                | 59.4        |             | 3.5                | 85.0        |             | 4.9                | 119         |             | 1.75      | 1.4          | 13     | 19     | 29     | 2.1    |
|                    |                                                | 1.75                                | 53.8        |             | 2.1                | 59.4        |             | 2.8                | 73.6        |             | 4.2                | 102         |             | 5.25               | 127         |             | 2.1       | 0.7          | 13     | 18     | 25     | 1.8    |
|                    |                                                | 2.1                                 | 59.4        |             | 2.8                | 73.6        |             | 3.5                | 85.0        |             | 5.6                | 119         |             | 6.3                | 159         |             | 3.5       | 1.4          | 13     | 22     | 0      | 2.4    |
|                    |                                                | 2.8                                 | 73.6        |             | 3.5                | 85.0        |             | 4.2                | 102         |             | 6.3                | 159         |             | 6.7                | 164         |             | 5.3       | 2.8          | 15     | 19     | 25     | 3.0    |
| SUE 18A            | Liquid Cap 2050 and Air Cap 62240-60°          |                                     |             | 4.5         |                    |             | 5.5         |                    |             | 8.3         |                    |             | 12.2        |                    |             | 33          | 0.7       | 0.2          | 13     | 16.5   | 25     | 1.2    |
|                    |                                                | 0.35                                | 22          |             | 0.35               | 22          |             | 0.6                | 28          |             | 0.7                | 34          |             | 1.1                | 45          |             | 1.75      | 0.2          | 13     | 16.5   | 25     | 1.8    |
|                    |                                                | 0.6                                 | 28          |             | 0.7                | 34          |             | 0.7                | 34          |             | 1.4                | 54          |             | 1.4                | 54          |             | 2.1       | 0.35         | 13     | 18.0   | 24     | 1.8    |
|                    |                                                |                                     |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | 2.5       | 1.4          | 14     | 20     | 32     | 1.8    |
|                    |                                                | 0.7                                 | 34          |             | 1.1                | 45          |             | 1.4                | 54          |             | 2.1                | 71          |             | 2.1                | 71          |             | 2.8       | 0.7          | 14     | 19     | 30     | 2.3    |
|                    |                                                | 1.1                                 | 45          |             | 1.4                | 54          |             | 2.1                | 71          |             | 2.5                | 79          |             | 2.5                | 79          |             | 4.2       | 1.4          | 14     | 20     | 36     | 3.0    |
|                    |                                                |                                     |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | 5.3       | 2.8          | 16.5   | 20     | 30     | 4.0    |
| SUE 15             | Liquid Cap 2850 and Air Cap 67228-45°          | 0.7                                 | 31.2        | 8.5         | 1.05               | 39.6        | 10.4        | 1.4                | 45.3        | 15.9        | 2.5                | 68          | 23          | 3.5                | 85          | 33          | 0.7       | 0.2          | 13     | 16.5   | 25     | 1.2    |
|                    |                                                | 1.05                                | 39.6        |             | 1.4                | 45.3        |             | 1.75               | 53.8        |             | 2.8                | 73.6        |             | 4.2                | 102         |             | 1.75      | 0.2          | 13     | 16.5   | 25     | 1.8    |
|                    |                                                | 1.4                                 | 45.3        |             | 1.75               | 53.8        |             | 2.1                | 59.4        |             | 3.5                | 85          |             | 4.9                | 119         |             | 2.1       | 0.35         | 13     | 18.0   | 24     | 1.8    |
|                    |                                                | 1.75                                | 53.8        |             | 2.1                | 59.4        |             | 2.8                | 73.6        |             | 4.2                | 102         |             | 5.3                | 127         |             | 2.5       | 1.4          | 14     | 20     | 32     | 1.8    |
|                    |                                                | 2.1                                 | 59.4        |             | 2.8                | 73.6        |             | 3.5                | 85.0        |             | 4.9                | 119         |             | 5.6                | 139         |             | 2.8       | 0.7          | 14     | 19     | 30     | 2.3    |
|                    |                                                | 2.8                                 | 73.6        |             | 3.5                | 85          |             | 4.2                | 102         |             | 5.6                | 139         |             | 6.3                | 159         |             | 4.2       | 1.4          | 14     | 20     | 36     | 3.0    |
|                    |                                                | 3.5                                 | 85          |             | 4.2                | 102         |             | 4.9                | 119         |             | 6.3                | 159         |             | 7.0                | 176         |             | 5.3       | 2.8          | 16.5   | 20     | 30     | 4.0    |
| SUE 18             | Liquid Cap 2850 and Air Cap 62240-60°          |                                     |             | 8.5         |                    |             | 10.4        |                    |             | 15.9        |                    |             | 23          |                    |             | 33          | 0.6       | 0.3          | 35     | 48     | 61     | 1.8    |
|                    |                                                | 0.4                                 | 25          |             | 0.4                | 25          |             | 0.6                | 28          |             | 0.7                | 34          |             | 1.4                | 54          |             | 0.6       | 0.7          | 35     | 48     | 63     | 1.5    |
|                    |                                                | 0.5                                 | 27.5        |             | 0.6                | 28          |             | 0.6                | 28          |             | 0.85               | 40          |             | 1.8                | 62          |             | 0.7       | 1.5          | 38     | 48     | 63     | 1.8    |
|                    |                                                |                                     |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | 1.1       | 1.5          | 41     | 51     | 66     | 2.1    |
|                    |                                                | 0.6                                 | 28          |             | 0.65               | 31          |             | 0.7                | 34          |             | 1.1                | 45          |             | 2.1                | 71          |             | 1.4       | 1.5          | 43     | 53     | 66     | 2.4    |
|                    |                                                | 0.7                                 | 34          |             | 0.7                | 34          |             | 0.85               | 40          |             | 1.4                | 54          |             | 2.5                | 79          |             | 1.8       | 2.0          | 41     | 51     | 69     | 2.7    |
|                    |                                                |                                     |             |             |                    |             |             |                    |             |             |                    |             |             |                    |             |             | 2.1       | 3.0          | 41     | 51     | 69     | 2.7    |

Standard Material : 316 stainless steel



# SFA series

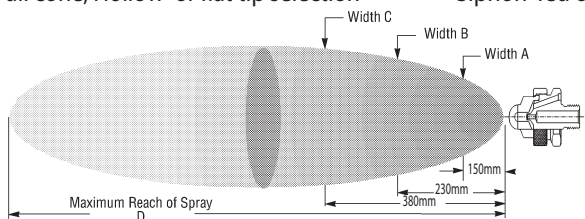
## Air / Liquid Atomising

### DESIGN FEATURES

- Low flow internally mix
- Very fine atomization
- Full cone, Hollow or flat tip selection

### SPRAY CHARACTERISTICS

- Spray angle 60 °
- Small forward projection
- Siphon fed or Gravity fed



### Flow rates and dimensions

Siphon Fed, Internal Mix,

1/8" and 1/4" Pipe Sizes, BS P or NPT

| Pipe Size        | Part Number | ATOMIZING AIR |                                   | Liquid Capacity in l/h (Liters Per Hour) |        |        |        |               |        |        |        | Spray Dimensions at 200 mm Siphon Height |        |        |        |       |
|------------------|-------------|---------------|-----------------------------------|------------------------------------------|--------|--------|--------|---------------|--------|--------|--------|------------------------------------------|--------|--------|--------|-------|
|                  |             | Air (bar)     | Air Capacity (Nm <sup>3</sup> /h) | Gravity Head                             |        |        |        | Siphon Height |        |        |        | Air (bar)                                | A (mm) | B (mm) | C (mm) | D (m) |
|                  |             |               |                                   | 450 mm                                   | 300 mm | 150 mm | 100 mm | 200 mm        | 300 mm | 600 mm | 900 mm |                                          |        |        |        |       |
| 1/8<br>or<br>1/4 | SFA 050     | 0.7           | 1.68                              | 1.3                                      | 1.2    | 1.1    | 1.0    | 1.0           | 0.8    | 0.6    | 0.5    | 0.7                                      | 200    | 260    | 380    | 2.1   |
|                  |             | 1.5           | 2.58                              | 1.2                                      | 1.1    | 1.0    | 0.9    | 0.9           | 0.8    | 0.7    | 0.5    | 1.5                                      | 210    | 290    | 380    | 2.1   |
|                  |             | 2.0           | 3.00                              | 0.8                                      | 0.8    | 0.7    | 0.6    | 0.5           |        |        |        | 2.0                                      | 230    | 300    | 380    | 1.8   |
|                  | SFA 100     | 1.5           | 3.36                              | 3.7                                      | 3.5    | 3.3    | 2.9    | 2.8           | 2.5    | 2.3    | 2.1    | 1.5                                      | 230    | 320    | 380    | 2.7   |
|                  |             | 2.0           | 3.90                              | 3.4                                      | 3.3    | 3.1    | 2.8    | 2.7           | 2.6    | 2.4    | 2.2    | 2.0                                      | 240    | 340    | 420    | 2.7   |
|                  |             | 3.0           | 5.22                              | 2.8                                      | 2.7    | 2.5    | 2.4    | 2.2           | 2.1    | 1.9    | 1.7    | 3.0                                      | 270    | 370    | 460    | 3.0   |
|                  |             | 4.0           | 6.60                              | 1.9                                      | 1.8    | 1.6    | 1.5    | 1.3           | 1.2    |        |        | 4.0                                      | 280    | 390    | 480    | 2.7   |
|                  | SFA 150     | 1.5           | 4.08                              | 5.1                                      | 4.8    | 4.5    | 3.8    | 3.7           | 3.5    | 3.0    | 2.4    | 1.5                                      | 190    | 230    | 270    | 3.4   |
|                  |             | 2.0           | 4.68                              | 4.9                                      | 4.7    | 4.4    | 3.6    | 3.4           | 3.2    | 2.9    | 2.3    | 2.0                                      | 200    | 250    | 280    | 3.4   |
|                  |             | 3.0           | 6.18                              | 3.4                                      | 3.2    | 3.0    | 2.2    | 2.0           | 1.7    |        |        | 3.0                                      | 220    | 270    | 300    | 3.0   |
|                  |             | 3.5           | 7.02                              | 2.2                                      | 2.0    | 1.7    |        |               |        |        |        |                                          |        |        |        |       |
|                  | SFA 200     | 1.5           | 3.78                              | 7.6                                      | 7.2    | 6.6    | 5.7    | 5.4           | 5.1    | 4.6    | 3.7    | 1.5                                      | 170    | 220    | 270    | 3.4   |
|                  |             | 2.0           | 4.38                              | 7.6                                      | 7.3    | 6.8    | 5.9    | 5.7           | 5.5    | 5.0    | 4.2    | 2.0                                      | 180    | 230    | 290    | 3.4   |
|                  |             | 3.0           | 5.76                              | 6.4                                      | 6.1    | 5.7    | 5.0    | 4.5           | 4.1    | 3.3    |        | 3.0                                      | 200    | 270    | 330    | 3.4   |
|                  |             | 3.5           | 6.60                              | 4.2                                      | 3.7    | 3.2    | 2.6    |               |        |        |        |                                          |        |        |        |       |

Standard Materials: Brass, 303 Stainless Steel and 316 Stainless Steel.