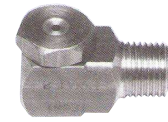
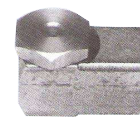


# A3 Wide angle Hollow cone nozzle

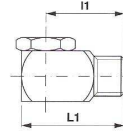
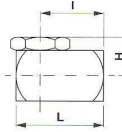


The A1 is a hollow cone nozzle used in the washing cooling of air and gas, dust control, surface treatments, humidification, water aerating, and roof cooling. It has a 90° spray angle from the inlet axis and removable cap.



F-A3

M-A3



## Construction

Can be constructed from SS303 and brass

| Ø        | I    | L    | I1   | L1   | H    |
|----------|------|------|------|------|------|
| 1/8      | 16   | 22   | 22   | 28.5 | 9.5  |
| 1/4      | 20.5 | 28.5 | 25.5 | 33.5 | 12.5 |
| 3/8      | 24   | 34   | 28.5 | 38   | 14.5 |
| 1/2      | 33.5 | 46   | 35   | 47.5 | 19   |
| 3/4      | 39.5 | 55.5 | 41   | 57   | 22   |
| 3/8 30.1 | 24   | 34   | 28.5 | 38   | 19   |
| 3/8 50.3 | 24   | 34   | 28.5 | 38   | 21.4 |

| Model No      | Model No      | Equiv Orifice diam. (mm) |      | Ltrs/min @ bar |      |      |      |      |             |      |      |      | Spray angle |
|---------------|---------------|--------------------------|------|----------------|------|------|------|------|-------------|------|------|------|-------------|
|               |               |                          |      | 0.75           | 1    | 1.5  | 2    | 2.5  | 3           | 4    | 5    | 6    |             |
| 1/8F-A3-0.5   | 1/8M-A3-0.5   | 0.9                      | 1.1  | 0.19           | 0.22 | 0.27 | 0.32 | 0.36 | <b>0.39</b> | 0.45 | 0.51 | 0.55 | 110         |
| 1/8F-A3-1     | 1/8M-A3-1     | 1.4                      | 1.7  | 0.39           | 0.45 | 0.55 | 0.63 | 0.71 | <b>0.78</b> | 0.90 | 1.01 | 1.10 | 115         |
| 1/8F-A3-2-3   | 1/8M-A3-2-3   | 2.1                      | 2.7  | 0.98           | 1.13 | 1.38 | 1.60 | 1.79 | <b>1.96</b> | 2.26 | 2.52 | 2.76 | 115         |
| 1/8F-A3-3     | 1/8M-A3-3     | 2.4                      | 2.7  | 1.17           | 1.35 | 1.65 | 1.92 | 2.14 | <b>2.35</b> | 2.71 | 3.03 | 3.32 | 115         |
| 1/8F-A3-3-5   | 1/8M-A3-3-5   | 2.4                      | 3.3  | 1.34           | 1.55 | 1.90 | 2.19 | 2.45 | <b>2.68</b> | 3.10 | 3.46 | 3.80 | 115         |
| 1/8F-A3-2-10  | 1/8M-A3-2-10  | 2.1                      | 4.5  | 1.60           | 1.85 | 2.27 | 2.62 | 2.92 | <b>3.20</b> | 3.70 | 4.14 | 4.53 | 130         |
| 1/8F-A3-5     | 1/8M-A3-5     | 3.0                      | 3.3  | 1.96           | 2.28 | 2.76 | 3.22 | 3.60 | <b>3.95</b> | 4.56 | 5.10 | 5.58 | 115         |
| 1/8F-A3-5-10  | 1/8M-A3-5-10  | 3.0                      | 4.5  | 2.54           | 2.94 | 3.60 | 4.16 | 4.65 | <b>5.09</b> | 5.87 | 6.56 | 7.20 | 125         |
| 1/8F-A3-8-10  | 1/8M-A3-8-10  | 3.8                      | 4.5  | 3.50           | 4.05 | 4.98 | 5.72 | 6.40 | <b>7.00</b> | 8.10 | 9.08 | 9.90 | 125         |
| 1/4F-A3-1     | 1/4M-A3-1     | 1.4                      | 1.7  | 0.39           | 0.45 | 0.55 | 0.63 | 0.71 | <b>0.78</b> | 0.90 | 1.01 | 1.10 | 110         |
| 1/4F-A3-1-5   | 1/4M-A3-1-5   | 1.4                      | 3.3  | 0.66           | 0.76 | 0.86 | 1.08 | 1.21 | <b>1.33</b> | 1.53 | 1.71 | 1.87 | 110         |
| 1/4F-A3-1-10  | 1/4M-A3-1-10  | 1.4                      | 4.5  | 0.82           | 0.95 | 1.17 | 1.34 | 1.50 | <b>1.64</b> | 1.90 | 2.12 | 2.33 | 140         |
| 1/4F-A3-1-15  | 1/4M-A3-1-15  | 1.4                      | 5.4  | 0.93           | 1.10 | 1.35 | 1.55 | 1.75 | <b>1.95</b> | 2.24 | 3.00 | 3.30 | 105         |
| 1/4F-A3-2-5   | 1/4M-A3-2-5   | 2.1                      | 3.3  | 1.32           | 1.50 | 1.85 | 2.15 | 2.42 | <b>2.63</b> | 3.00 | 3.41 | 3.60 | 120         |
| 1/4F-A3-2-10  | 1/4M-A3-2-10  | 2.1                      | 4.5  | 1.60           | 1.85 | 2.27 | 2.62 | 2.92 | <b>3.20</b> | 3.70 | 4.14 | 4.53 | 140         |
| 1/4F-A3-5     | 1/4M-A3-5     | 3.6                      | 3.3  | 1.96           | 2.28 | 2.76 | 3.22 | 3.60 | <b>3.95</b> | 4.56 | 5.10 | 5.58 | 115         |
| 1/4F-A3-5-10  | 1/4M-A3-5-10  | 3.6                      | 4.5  | 2.54           | 2.94 | 3.60 | 4.16 | 4.65 | <b>5.09</b> | 5.87 | 6.56 | 7.20 | 130         |
| 1/4F-A3-5-15  | 1/4M-A3-5-15  | 3.6                      | 5.4  | 3.02           | 3.50 | 4.30 | 4.94 | 5.54 | <b>6.07</b> | 7.00 | 7.82 | 8.55 | 130         |
| 1/4F-A3-8-10  | 1/4M-A3-8-10  | 4.1                      | 4.5  | 3.50           | 4.05 | 4.96 | 5.72 | 6.40 | <b>7.00</b> | 8.10 | 9.06 | 9.90 | 130         |
| 1/4F-A3-10    | 1/4M-A3-10    | 4.7                      | 4.5  | 3.90           | 4.51 | 5.52 | 6.37 | 7.13 | <b>7.80</b> | 9.02 | 10.1 | 11.0 | 120         |
| 1/4F-A3-8-15  | 1/4M-A3-8-15  | 4.1                      | 5.4  | 4.30           | 4.95 | 6.05 | 7.00 | 7.82 | <b>8.60</b> | 9.90 | 11.0 | 12.1 | 130         |
| 1/4F-A3-10-15 | 1/4M-A3-10-15 | 4.7                      | 5.4  | 4.72           | 5.45 | 6.67 | 7.70 | 8.62 | <b>9.42</b> | 10.9 | 12.2 | 13.4 | 120         |
| 1/4F-A3-15    | 1/4M-A3-15    | 5.8                      | 5.4  | 5.87           | 6.78 | 8.30 | 9.80 | 10.7 | <b>11.7</b> | 13.6 | 15.1 | 16.6 | 100         |
| 3/8F-A3-5-10  | 3/8M-A3-5-10  | 3.5                      | 4.5  | 2.54           | 2.94 | 3.60 | 4.16 | 4.65 | <b>5.09</b> | 5.87 | 6.56 | 7.20 | 130         |
| 3/8F-A3-5-15  | 3/8M-A3-5-15  | 3.5                      | 5.4  | 3.02           | 3.50 | 4.30 | 4.94 | 5.54 | <b>6.07</b> | 7.00 | 7.82 | 8.55 | 140         |
| 3/8F-A3-8-10  | 3/8M-A3-8-10  | 4.5                      | 4.5  | 3.50           | 4.05 | 4.96 | 5.72 | 6.40 | <b>7.00</b> | 8.10 | 9.06 | 9.90 | 125         |
| 3/8F-A3-10    | 3/8M-A3-10    | 5.0                      | 4.5  | 3.90           | 4.51 | 5.52 | 6.37 | 7.13 | <b>7.80</b> | 9.02 | 10.1 | 11.0 | 120         |
| 3/8F-A3-8-15  | 3/8M-A3-8-15  | 4.5                      | 5.4  | 4.30           | 4.95 | 6.05 | 7.00 | 7.82 | <b>8.60</b> | 9.90 | 11.0 | 12.1 | 130         |
| 3/8F-A3-10-15 | 3/8M-A3-10-15 | 5.0                      | 5.4  | 4.72           | 5.45 | 6.67 | 7.70 | 8.62 | <b>9.42</b> | 10.9 | 12.2 | 13.4 | 125         |
| 3/8F-A3-8-25  | 3/8M-A3-8-25  | 4.5                      | 7.4  | 5.07           | 5.90 | 7.23 | 8.36 | 9.23 | <b>10.2</b> | 11.8 | 13.2 | 14.4 | 125         |
| 3/8F-A3-10-20 | 3/8M-A3-10-20 | 5.0                      | 5.9  | 5.45           | 6.30 | 7.72 | 8.91 | 9.96 | <b>10.9</b> | 12.6 | 14.1 | 15.4 | 120         |
| 3/8F-A3-15    | 3/8M-A3-15    | 6.1                      | 5.4  | 5.87           | 6.78 | 8.30 | 9.60 | 10.7 | <b>11.7</b> | 13.5 | 15.1 | 16.6 | 115         |
| 3/8F-A3-15-20 | 3/8M-A3-15-20 | 6.1                      | 5.9  | 7.85           | 7.70 | 9.41 | 10.9 | 12.2 | <b>13.3</b> | 15.4 | 17.2 | 18.9 | 115         |
| 3/8F-A3-20    | 3/8M-A3-20    | 7.1                      | 5.9  | 7.85           | 9.05 | 11.1 | 12.8 | 14.3 | <b>15.6</b> | 18.1 | 20.2 | 22.2 | 105         |
| 3/8F-A3-15-30 | 3/8M-A3-15-30 | 8.1                      | 7.9  | 8.60           | 9.94 | 12.2 | 14.1 | 15.7 | <b>17.2</b> | 19.9 | 22.2 | 24.2 | 120         |
| 3/8F-A3-25    | 3/8M-A3-25    | 7.4                      | 7.4  | 9.86           | 11.4 | 13.9 | 16.1 | 18.0 | <b>19.7</b> | 22.8 | 25.5 | 28.0 | 105         |
| 3/8F-A3-25-30 | 3/8M-A3-25-30 | 7.4                      | 7.9  | 10.8           | 12.5 | 15.3 | 17.7 | 19.9 | <b>21.6</b> | 25.0 | 28.0 | 30.6 | 105         |
| 1/2F-A3-50    | 1/2M-A3-50    | 9.5                      | 11.1 | 19.6           | 22.8 | 27.6 | 32.2 | 36.0 | <b>39.5</b> | 45.8 | 51.0 | 55.8 | 110         |
| 3/4F-A3-80    | 3/4M-A3-80    | 12.7                     | 14.3 | 31.2           | 36.1 | 44.2 | 51.0 | 56.8 | <b>62.5</b> | 72.2 | 80.6 | 88.4 | 115         |