

Air Atomizing Spray Nozzles



Internal Mix Narrow Angle Round Pattern - 1/8 NPT



Model: AN8010SS
Material: Type 303 Stainless Steel

Model: AN8020SS
Material: Type 303 Stainless Steel

Model: AN8030SS
Material: Type 303 Stainless Steel

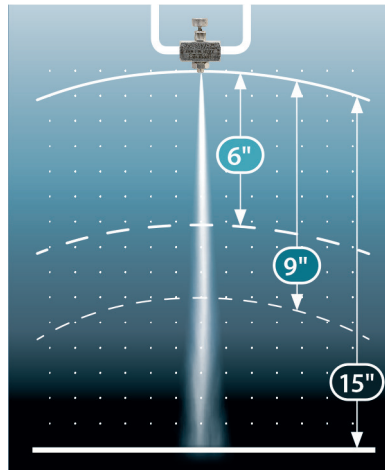
Model: AN8040SS
Material: Type 303 Stainless Steel

Model: AN8050SS
Material: Type 303 Stainless Steel

Model AN8010SS, AN8020SS, AN8030SS, AN8040SS and AN8050SS

1/8 NPT internal mix narrow angle round pattern nozzles are excellent for spraying a concentrated mist of liquid. Because of the versatility of their adjustments, they can apply a heavy coat up close or send a very fine mist over 16 feet away! They are often used for precision application of lubricants during assembly, or marking items as they move through an assembly line. Narrow angle round pattern atomizing nozzles are capable of delivering the most liquid of any of our 1/8 NPT internal mix atomizing nozzles.

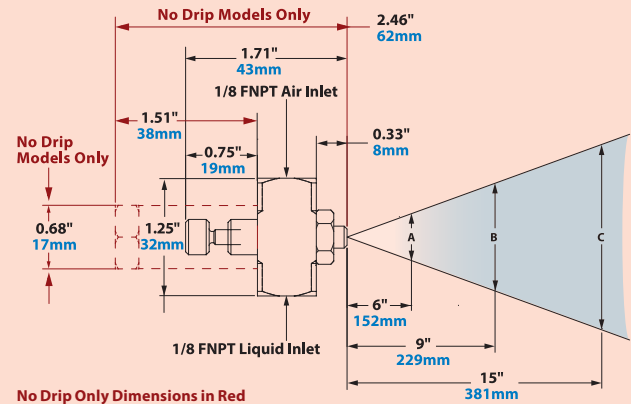
For pressure fed applications not requiring independent air and liquid control.



The modifiable spray pattern can generate a heavy or precision engineered mist for distances over 16 feet!

Dimensions and Airflow Pattern

DOWNLOAD drawings at EXAIR.com



No Drip Only Dimensions in Red
 See page 93 for No Drip Atomizing Nozzles

Spray Nozzles

| Model | 10 PSI/0.7 BAR Liquid | | | | | 20 PSI/1.4 BAR Liquid | | | | | 30 PSI/2.1 BAR Liquid | | | | | 40 PSI/2.8 BAR Liquid | | | | | 60 PSI/4.1 BAR Liquid | | | | | Spray Dimensions | | | | | | | | | | | | | | | | |
|----------|-------------------------|---------|---------------|------|-------------------------|-----------------------|---------------|-----|-------------------------|---------|-----------------------|-------|-------------------------|---------|---------------|-----------------------|-------------------------|---------|---------------|-----|-----------------------|------|------|-------|-----|------------------|-------------------------|------|------|------|-----|-----|----|-----|-----|----|-----|----|-----|----|-----|-----|
| | Air Pressure PSI/BAR | GPH/LPH | SCFM/ SLPM | | Air Pressure PSI/BAR | GPH/LPH | SCFM/ SLPM | | Air Pressure PSI/BAR | GPH/LPH | SCFM/ SLPM | | Air Pressure PSI/BAR | GPH/LPH | SCFM/ SLPM | | Air Pressure PSI/BAR | GPH/LPH | SCFM/ SLPM | | Pressure | | | Width | | | Max. Depth feet/m | | | | | | | | | | | | | | | |
| | | | in | cm | | | in | cm | | | in | cm | | | in | cm | | | in | cm | A | B | C | | | | | | | | | | | | | | | | | | | |
| AN8010SS | 10 | 0.7 | 0.97 | 3.7 | 0.25 | 7.1 | 14 | 1.0 | 1.83 | 6.9 | 0.32 | 9.1 | 24 | 1.7 | 1.97 | 7.5 | 0.52 | 14.7 | 32 | 2.2 | 2.23 | 8.4 | 0.67 | 19.0 | 50 | 3.4 | 2.63 | 10.0 | 0.98 | 27.7 | 10 | 0.7 | 10 | 0.7 | 3 | 8 | 3.5 | 9 | 4.5 | 11 | 3.5 | 1.1 |
| | 12 | 0.8 | 0.80 | 3.0 | 0.32 | 9.1 | 18 | 1.2 | 1.5 | 5.7 | 0.39 | 11.0 | 28 | 1.9 | 1.7 | 6.4 | 0.59 | 16.7 | 36 | 2.5 | 1.97 | 7.5 | 0.74 | 20.9 | 54 | 3.7 | 2.37 | 9.0 | 1.02 | 28.9 | 18 | 1.2 | 20 | 1.4 | 3 | 8 | 4 | 10 | 5 | 13 | 5 | 1.5 |
| | 14 | 1.0 | 0.60 | 2.3 | 0.4 | 11.3 | 22 | 1.5 | 1.27 | 4.8 | 0.52 | 14.7 | 32 | 2.2 | 1.37 | 5.2 | 0.71 | 20.1 | 40 | 2.8 | 1.67 | 6.3 | 0.84 | 23.8 | 58 | 4.0 | 2.1 | 7.9 | 1.12 | 31.7 | 32 | 2.2 | 30 | 2.1 | 3 | 8 | 4 | 10 | 5.5 | 14 | 7 | 2.1 |
| | — | — | — | — | — | — | 26 | 1.8 | 0.73 | 2.8 | 0.67 | 19.0 | 38 | 2.6 | 0.8 | 3.0 | 0.93 | 26.3 | 48 | 3.3 | 1.00 | 3.8 | 1.09 | 30.9 | 66 | 4.6 | 1.7 | 6.4 | 1.21 | 34.3 | 48 | 3.3 | 40 | 2.8 | 3 | 8 | 4.5 | 11 | 6 | 15 | 8 | 2.4 |
| AN8020SS | 10 | 0.7 | 1.33 | 5.0 | 0.43 | 12.2 | 18 | 1.2 | 1.83 | 6.9 | 0.71 | 20.1 | 24 | 1.7 | 2.27 | 8.6 | 0.91 | 25.8 | 30 | 2.1 | 2.63 | 10.0 | 1.05 | 29.7 | 40 | 2.8 | 3.33 | 12.6 | 1.31 | 37.1 | 10 | 0.7 | 10 | 0.7 | 2 | 5 | 3 | 8 | 4 | 10 | 5 | 1.5 |
| | 12 | 0.8 | 1.17 | 4.4 | 0.5 | 14.2 | 20 | 1.4 | 1.73 | 6.5 | 0.75 | 21.2 | 28 | 1.9 | 2.07 | 7.8 | 0.99 | 28.0 | 34 | 2.3 | 2.47 | 9.3 | 1.12 | 31.7 | 46 | 3.2 | 3.13 | 11.8 | 1.4 | 39.6 | 20 | 1.4 | 20 | 1.4 | 2.5 | 6 | 3.5 | 9 | 4.5 | 11 | 7 | 2.1 |
| | 14 | 1.0 | 1.03 | 3.9 | 0.6 | 17.0 | 22 | 1.5 | 1.63 | 6.2 | 0.84 | 23.8 | 32 | 2.2 | 1.9 | 7.2 | 1.09 | 30.9 | 38 | 2.6 | 2.33 | 8.8 | 1.20 | 34.0 | 52 | 3.6 | 2.87 | 10.9 | 1.6 | 45.3 | 32 | 2.2 | 30 | 2.1 | 2.5 | 6 | 3.5 | 9 | 4.5 | 11 | 7 | 2.1 |
| | — | — | — | — | — | — | — | — | — | — | — | — | 40 | 2.8 | 1.57 | 5.9 | 1.45 | 41.0 | 48 | 3.3 | 1.87 | 7.1 | 1.53 | 43.3 | 70 | 4.8 | 2.2 | 8.3 | 2.2 | 62.3 | 70 | 4.8 | 60 | 4.1 | 3.5 | 9 | 4.5 | 11 | 6.5 | 17 | 10 | 3.0 |
| AN8030SS | 12 | 0.8 | 2.20 | 8.3 | 0.47 | 13.3 | 22 | 1.5 | 2.9 | 11.0 | 0.75 | 21.2 | 30 | 2.1 | 3.7 | 14.0 | 0.96 | 27.2 | 36 | 2.5 | 4.47 | 16.9 | 1.09 | 30.9 | 48 | 3.3 | 6.3 | 23.8 | 1.28 | 36.2 | 12 | 0.8 | 10 | 0.7 | 2 | 5 | 3 | 8 | 4.5 | 11 | 6 | 1.8 |
| | 16 | 1.1 | 1.60 | 6.1 | 0.56 | 15.9 | 26 | 1.8 | 2.43 | 9.2 | 0.82 | 23.2 | 34 | 2.3 | 3.2 | 12.1 | 1.00 | 28.3 | 40 | 2.8 | 4.17 | 15.8 | 1.12 | 31.7 | 52 | 3.6 | 5.87 | 22.2 | 1.3 | 36.8 | 26 | 1.8 | 20 | 1.4 | 2.5 | 6 | 3.5 | 9 | 5 | 13 | 6 | 1.8 |
| | 24 | 1.7 | 0.67 | 2.5 | 0.95 | 26.9 | 38 | 2.6 | 1.13 | 4.3 | 1.35 | 38.2 | 46 | 3.2 | 1.8 | 6.8 | 1.45 | 41.0 | 52 | 3.6 | 2.67 | 10.1 | 1.49 | 42.2 | 64 | 4.4 | 4.56 | 17.3 | 1.59 | 45.0 | 52 | 3.6 | 40 | 2.8 | 3 | 8 | 4 | 10 | 6 | 15 | 11 | 3.4 |
| | 28 | 1.9 | 0.47 | 1.8 | 1.07 | 30.3 | 42 | 2.9 | 0.77 | 2.9 | 1.53 | 43.3 | 52 | 3.6 | 1.4 | 5.3 | 1.76 | 49.8 | 60 | 4.1 | 2.00 | 7.6 | 1.87 | 52.9 | 70 | 4.8 | 3.8 | 14.4 | 1.84 | 52.1 | 70 | 4.8 | 60 | 4.1 | 4 | 10 | 5 | 13 | 6.5 | 17 | 11 | 3.4 |
| AN8040SS | 16 | 1.1 | 4.87 | 9.6 | 2.54 | 71.9 | 28 | 1.9 | 6.60 | 25.0 | 3.64 | 103.0 | 40 | 2.8 | 7.83 | 29.7 | 4.70 | 132.9 | 48 | 3.3 | 9.33 | 35.3 | 5.40 | 153 | 65 | 4.5 | 12.0 | 45.4 | 6.70 | 190 | 16 | 1.1 | 10 | 0.7 | 2.5 | 6 | 3 | 8 | 4 | 10 | 10 | 3.0 |
| | 20 | 1.4 | 3.57 | 11.0 | 2.92 | 82.6 | 32 | 2.2 | 5.60 | 21.2 | 3.98 | 112.6 | 44 | 3.0 | 6.87 | 26.0 | 4.99 | 141.3 | 55 | 3.8 | 8.17 | 30.9 | 5.98 | 169 | 75 | 5.2 | 10.8 | 41.0 | 7.57 | 214 | 32 | 2.2 | 20 | 1.4 | 3 | 8 | 4 | 10 | 5.5 | 14 | 11 | 3.4 |
| | 26 | 1.8 | 1.87 | 13.6 | 3.60 | 101.8 | 44 | 3.0 | 2.43 | 9.2 | 5.16 | 146.1 | 60 | 4.1 | 2.80 | 10.6 | 6.43 | 182.0 | 80 | 5.5 | 2.53 | 9.6 | 8.58 | 243 | 90 | 6.2 | 8.17 | 30.9 | 9.03 | 256 | 80 | 5.5 | 40 | 2.8 | 3 | 8 | 4 | 10 | 5.5 | 14 | 13 | 4.0 |
| | 30 | 2.1 | 1.03 | 15.4 | 4.06 | 115.0 | 50 | 3.4 | 1.33 | 5.0 | 5.92 | 167.7 | 70 | 4.8 | 1.23 | 4.7 | 7.78 | 220.4 | 90 | 6.2 | 1.27 | 4.8 | 9.61 | 272 | 100 | 6.9 | 6.13 | 23.2 | 9.90 | 280 | 100 | 6.9 | 60 | 4.1 | 3.5 | 9 | 4.5 | 11 | 6 | 15 | 15 | 4.6 |
| AN8050SS | 12 | 0.8 | 7.60 | 28.8 | 1.76 | 49.8 | 20 | 1.4 | 11.63 | 44.0 | 2.37 | 67.1 | 30 | 2.1 | 13.5 | 51.1 | 3.42 | 96.8 | 38 | 2.6 | 15.4 | 58.2 | 3.99 | 113 | 54 | 3.7 | 18.9 | 71.7 | 5.17 | 146 | 12 | 0.8 | 10 | 0.7 | 3 | 8 | 4 | 10 | 6 | 15 | 9 | 2.7 |
| | 14 | 1.0 | 6.10 | 23.1 | 1.97 | 55.8 | 22 | 1.5 | 10.53 | 39.9 | 2.85 | 80.7 | 34 | 2.3 | 11.37 | 43.0 | 3.92 | 111.0 | 42 | 2.9 | 14.1 | 53.3 | 4.50 | 127 | 60 | 4.1 | 17.2 | 65.1 | 5.83 | 165 | 22 | 1.5 | 20 | 1.4 | 3 | 8 | 4 | 10 | 6 | 15 | 11 | 3.4 |
| | 16 | 1.1 | 4.80 | 18.2 | 2.18 | 61.7 | 24 | 1.7 | 9.43 | 35.7 | 3.11 | 88.0 | 38 | 2.6 | 9.07 | 34.3 | 4.4 | 124.6 | 46 | 3.2 | 12.3 | 46.7 | 4.95 | 140 | 65 | 4.5 | 15.7 | 59.4 | 6.45 | 183 | 38 | 2.6 | 30 | 2.1 | 3 | 8 | 4.5 | 11 | 6 | 15 | 14 | 4.3 |
| | — | — | — | — | — | — | 32 | 2.2 | 5.07 | 19.2 | 4.19 | 118.6 | 46 | 3.2 | 5.6 | 21.2 | 5.52 | 156.3 | 56 | 3.9 | 7.7 | 29.0 | 6.24 | 177 | 85 | 5.9 | 8.13 | 30.8 | 8.58 | 243 | 85 | 5.9 | 60 | 4.1 | 4 | 10 | 5 | 13 | 6.5 | 17 | 16 | 4.9 |



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