



# Air Applications

Engineered for precision and durability—helping you reduce compressed air without sacrificing performance.

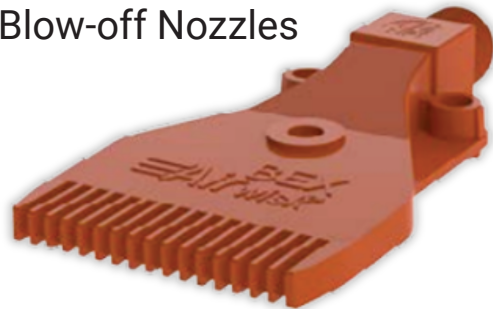


FL Threaded



ZFL Zip-Tip

Airwisk  
Blow-off Nozzles



ABO Series



ABP Series



# FL & ZFL Series

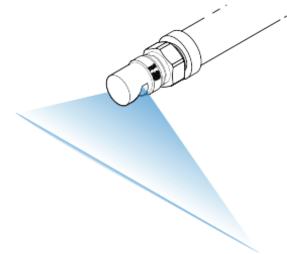
Discover versatility and precision our FL and ZFL series spray nozzles. Designed for use with air or steam, these nozzles create a controlled curtain of gas extending up to 10 inches from the nozzle tip.



FL Threaded

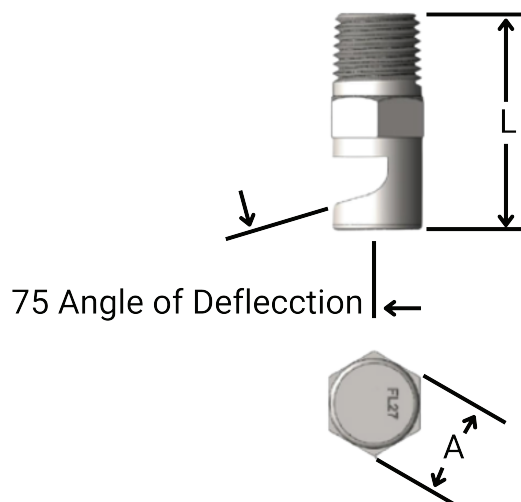


ZFL Zip-Tip



## Spray Characteristics

A wide, flat fan-shaped spray with low impact. The spray is deflected 75° away from the centerline of the pipe connection.



## Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

## Typical Applications

- ✓ Cleaning
- ✓ Cooling
- ✓ Blow-off Surfaces



# FL & ZFL Series Continued



| Model    | Office Diameter inches | Dimensions               |                   | Air Capacities at Various Pressures SCFM |        |        |        |        | Steam Capacities at Various Pressures lbs/hr |        |        |        |        | Width at 6° Distance from the Nozzle (inches) |     |
|----------|------------------------|--------------------------|-------------------|------------------------------------------|--------|--------|--------|--------|----------------------------------------------|--------|--------|--------|--------|-----------------------------------------------|-----|
|          |                        | Material Size (A) inches | Length (L) inches | 10 psi                                   | 20 psi | 40 psi | 50 psi | 80 psi | 10 psi                                       | 20 psi | 40 psi | 50 psi | 80 psi | 10                                            | 15  |
| 1/8FL.25 | 0.017                  | 0.44                     | 0.56              | 0.100                                    | 0.140  | 0.220  | 0.260  | 0.38   | 0.114                                        | 0.38   | 0.60   | 0.71   | 1.04   | 2                                             | 4½  |
| 1/8FL.50 | 0.024                  | 0.44                     | 0.56              | 0.190                                    | 0.270  | 0.43   | 0.50   | 0.74   | 0.56                                         | 0.79   | 1.25   | 1.47   | 2.20   | 2                                             | 5   |
| 1/8FL.75 | 0.029                  | 0.44                     | 0.81              | 0.280                                    | 0.39   | 0.61   | 0.73   | 1.39   | 0.83                                         | 1.17   | 1.84   | 2.20   | 3.2    | 2½                                            | 5   |
| 1/8FL1   | 0.033                  | 0.44                     | 0.81              | 0.36                                     | 0.51   | 0.80   | 0.95   | 1.39   | 1.90                                         | 1.52   | 2.40   | 2.80   | 4.1    | 3                                             | 6   |
| 1/8FL1.3 | 0.038                  | 0.44                     | 0.81              | 0.48                                     | 0.68   | 1.07   | 1.27   | 1.86   | 1.46                                         | 2.00   | 3.2    | 3.7    | 5.5    | 3                                             | 6½  |
| 1/4FL1.3 | 0.038                  | 0.56                     | 0.94              | 0.48                                     | 0.68   | 1.07   | 1.27   | 1.86   | 1.46                                         | 2.00   | 3.2    | 3.7    | 5.5    | 3                                             | 6½  |
| 1/8FL1.5 | 0.042                  | 0.44                     | 0.81              | 0.58                                     | 0.83   | 1.31   | 1.55   | 2.30   | 1.79                                         | 2.50   | 3.9    | 4.7    | 6.8    | 3½                                            | 6½  |
| 1/4FL1.5 | 0.042                  | 0.56                     | 0.94              | 0.58                                     | 0.83   | 1.31   | 1.55   | 2.30   | 1.79                                         | 2.50   | 3.9    | 4.7    | 6.8    | 3½                                            | 6½  |
| 1/8FL2   | 0.047                  | 0.44                     | 0.81              | 0.73                                     | 1.03   | 1.62   | 1.92   | 2.80   | 2.30                                         | 3.2    | 5.0    | 6.0    | 8.7    | 3½                                            | 7½  |
| 1/4FL2   | 0.047                  | 0.56                     | 0.94              | 0.73                                     | 1.03   | 1.62   | 1.92   | 2.80   | 2.30                                         | 3.2    | 5.0    | 6.0    | 8.7    | 3½                                            | 7½  |
| 1/8FL2.5 | 0.055                  | 0.44                     | 0.81              | 1.00                                     | 1.42   | 2.20   | 2.60   | 3.9    | 3.10                                         | 4.4    | 6.9    | 8.2    | 12.0   | 4                                             | 7½  |
| 1/4FL2.5 | 0.055                  | 0.56                     | 0.94              | 1.00                                     | 1.42   | 2.20   | 2.60   | 3.9    | 3.10                                         | 4.4    | 6.9    | 8.2    | 12.0   | 4                                             | 7½  |
| 1/8FL3   | 0.059                  | 0.44                     | 0.81              | 1.15                                     | 1.63   | 2.60   | 3.00   | 4.4    | 3.6                                          | 5.0    | 7.9    | 9.3    | 13.6   | 5                                             | 8   |
| 1/4FL3   | 0.059                  | 0.56                     | 0.94              | 1.15                                     | 1.63   | 2.60   | 3.00   | 4.4    | 3.6                                          | 5.0    | 7.9    | 9.3    | 13.6   | 5                                             | 8   |
| 1/8FL4   | 0.070                  | 0.44                     | 0.94              | 1.61                                     | 2.30   | 3.6    | 4.3    | 6.3    | 5.1                                          | 7.2    | 11.3   | 13.4   | 19.6   | 5                                             | 9   |
| 1/4FL4   | 0.070                  | 0.56                     | 1.00              | 1.61                                     | 2.30   | 3.6    | 4.3    | 6.3    | 5.1                                          | 7.2    | 11.3   | 13.4   | 19.6   | 5                                             | 9   |
| 1/8FL5   | 0.076                  | 0.44                     | 0.94              | 1.90                                     | 2.70   | 4.3    | 5.0    | 7.4    | 6.0                                          | 8.5    | 13.4   | 15.8   | 23.0   | 5                                             | 10  |
| 1/4FL5   | 0.076                  | 0.56                     | 1.00              | 1.90                                     | 2.70   | 4.3    | 5.0    | 7.4    | 6.0                                          | 8.5    | 13.4   | 15.8   | 23.0   | 5                                             | 10  |
| 1/8FL7.5 | 0.094                  | 0.44                     | 0.94              | 2.91                                     | 4.2    | 6.6    | 7.8    | 11.5   | 9.3                                          | 13.1   | 21.0   | 24.0   | 36     | 6½                                            | 10  |
| 1/4FL7.5 | 0.094                  | 0.56                     | 1.00              | 2.91                                     | 4.2    | 6.6    | 7.8    | 11.5   | 9.3                                          | 13.1   | 21.0   | 24.0   | 36     | 6½                                            | 10  |
| 1/8FL10  | 0.110                  | 0.44                     | 0.94              | 4.0                                      | 5.7    | 9.0    | 10.6   | 15.6   | 12.8                                         | 17.9   | 28.0   | 33     | 49     | 7                                             | 11  |
| 1/4FL10  | 0.110                  | 0.56                     | 1.00              | 4.0                                      | 5.7    | 9.0    | 10.6   | 15.6   | 12.8                                         | 17.9   | 28.0   | 33     | 49     | 7                                             | 11  |
| 1/8FL12  | 0.120                  | 0.44                     | 1.06              | 4.7                                      | 6.8    | 10.7   | 12.7   | 18.6   | 15.3                                         | 21.0   | 33     | 39     | 57     | 7                                             | 11½ |
| 1/4FL12  | 0.120                  | 0.56                     | 1.31              | 4.7                                      | 6.8    | 10.7   | 12.7   | 18.6   | 15.3                                         | 21.0   | 33     | 39     | 57     | 7                                             | 11½ |
| 1/8FL15  | 0.129                  | 0.44                     | 1.06              | 5.5                                      | 8.4    | 13.2   | 15.7   | 23.0   | 18.8                                         | 26.0   | 41     | 48     | 71     | 7                                             | 12  |
| 1/4FL15  | 0.129                  | 0.56                     | 1.31              | 5.5                                      | 8.4    | 13.2   | 15.7   | 23.0   | 18.8                                         | 26.0   | 41     | 48     | 71     | 7                                             | 12  |
| 1/8FL18  | 0.147                  | 0.44                     | 1.06              | 7.1                                      | 10.3   | 116    | 19.2   | 28.0   | 23.0                                         | 32     | 50     | 60     | 87     | 8                                             | 13  |
| 1/4FL18  | 0.147                  | 0.56                     | 1.31              | 7.1                                      | 10.3   | 116    | 19.2   | 28.0   | 23.0                                         | 32     | 50     | 60     | 87     | 8                                             | 13  |
| 1/8FL20  | 0.154                  | 0.44                     | 1.06              | 7.8                                      | 11.3   | 17.8   | 21.0   | 31.0   | 25.0                                         | 35     | 55     | 65     | 96     | 8½                                            | 14½ |
| 1/4FL20  | 0.154                  | 0.56                     | 1.31              | 7.8                                      | 11.3   | 17.8   | 21.0   | 31.0   | 25.0                                         | 35     | 55     | 65     | 96     | 8½                                            | 14½ |
| 1/4FL22  | 0.161                  | 0.56                     | 1.31              | 8.5                                      | 12.3   | 19.4   | 23.0   | 34     | 28.0                                         | 39     | 61     | 73     | 106    | 8½                                            | 14½ |
| 1/4FL24  | 0.169                  | 0.56                     | 1.31              | 9.4                                      | 14.9   | 23.0   | 28.0   | 28.0   | 34                                           | 47     | 74     | 88     | 128    | 8½                                            | 15  |
| 1/4FL27  | 0.177                  | 0.56                     | 1.31              | 10.3                                     | 14.9   | 23.0   | 28.0   | 28.0   | 34                                           | 47     | 74     | 88     | 128    | 8½                                            | 15  |
| 3/8FL30  | 0.188                  | 0.69                     | 1.31              | 11.6                                     | 16.8   | 26.0   | 31.0   | 46     | 38                                           | 53     | 84     | 99     | 145    | 8½                                            | 15½ |

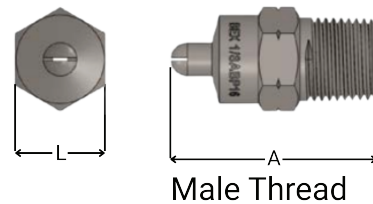


# ABP Series

Built for reliable performance in demanding industrial environments the ABP Series air blow-off nozzles produce a powerful, fan-shaped curtain of air or steam - ideal for part cooling, debris removal, and drying.



ABP Series



## Spray Characteristics

ABP Series air blow-off nozzles project a flat, fan-shaped curtain of gas in a direction parallel to the axis of the nozzle body.

Gases most commonly used are air and steam.

## Construction

The models listed are machined from bar stock and are one-piece construction.

| Model Number | Pipe Size (NPT) | Overall Length (L) |
|--------------|-----------------|--------------------|
| 1/8 ABP      | 1/8             | 0.438              |
| 1/4 ABP      | 1/4             | 0.568              |
| 3/8 ABP      | 3/8             | 0.688              |

Lengths will vary slightly for ABP72 models. View online for exact dimensions.

## Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

## Typical Applications

- ✓ Cooling of Components/Parts
- ✓ Small Gas Curtains
- ✓ Cleaning and Drying of Parts
- ✓ Debris Removal





# ABO Series

Built for reliable, high efficiency operation in demanding applications our ABO Series air-blow off npzzles deliver a wide, uniform fan of air or steam, ideal for cooling, drying, and debris removal.



## Spray Characteristics

ABO Series air blow-off nozzles project a flat fan-shaped curtain of gas in a direction parallel to the axis of the nozzle body. Gases most commonly used are air and steam.

ABO nozzles are designed with large maximum free passage sizes. This produces wider, more uniform coverage, and also helps to reduce clogging and minimize the effects of minor tip damage.

The Cap and Body are designed to allow easy assembly/disassembly and cleaning.

## Construction

The models listed are machined from bar stock and are one-piece construction.

| Model Number | Pipe Size (NPT) | Overall Length (L) |
|--------------|-----------------|--------------------|
| 1/8 ABP      | 1/8             | 1.77               |
| 1/4 ABP      | 1/4             | 1.83               |
| 3/8 ABP      | 3/8             | 1.90               |

## Standard Materials

- B** Brass
- 3** 303 Stainless Steel
- 6** 316 Stainless Steel

## Typical Applications

- ✓ Cooling of Components/Parts
- ✓ Small Gas Curtains
- ✓ Cleaning and Drying of Parts
- ✓ Debris Removal

# ABO Series Continued



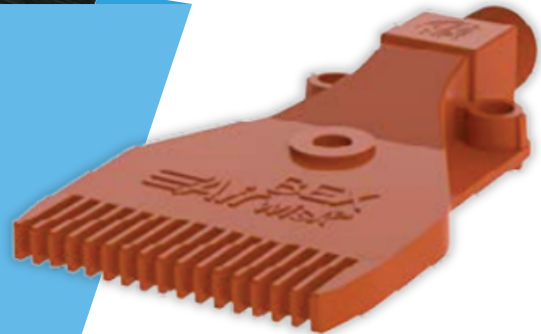
| Model  | Slot Width (Inches) | Air Capacities (S.C.F.M) |        |        |         | Steam Capacity (lbs/hr) |        |        |         | Distance From Nozzle (Inches) | Approx. Width Of Air Coverage (Inches) |        |        |        |        |        |         |
|--------|---------------------|--------------------------|--------|--------|---------|-------------------------|--------|--------|---------|-------------------------------|----------------------------------------|--------|--------|--------|--------|--------|---------|
|        |                     | 10 psi                   | 20 psi | 60 psi | 100 psi | 10 psi                  | 20 psi | 60 psi | 100 psi |                               | 5 psi                                  | 10 psi | 20 psi | 40 psi | 60 psi | 80 psi | 100 psi |
| ABP16  | 0.016               | 0.67                     | 1.10   | 2.4    | 3.6     | 1.20                    | 2.3    | 5.0    | 7.6     | 2                             | 5                                      | 5      | 6      | 8      | 9      | 10     | 10      |
|        |                     |                          |        |        |         |                         |        |        |         | 4                             | 7                                      | 8      | 9      | 12     | 14     | 16     | 16      |
|        |                     |                          |        |        |         |                         |        |        |         | 6                             | 9                                      | 10     | 11     | 16     | 19     | 22     | 23      |
| ABP016 | 0.016               | 0.67                     | 1.10   | 2.4    | 3.6     | 1.20                    | 2.3    | 5.0    | 7.6     | 10                            | 10                                     | 13     | 15     | 21     | 25     | 28     | 29      |
|        |                     |                          |        |        |         |                         |        |        |         | 20                            | 12                                     | 16     | 20     | 32     | 35     | 39     | 40      |
| ABP20  | 0.020               | 1.40                     | 2.0    | 4.3    | 6.6     | 2.9                     | 4.5    | 9.7    | 14.9    | 2                             | 5                                      | 6      | 7      | 9      | 10     | 11     | 11      |
|        |                     |                          |        |        |         |                         |        |        |         | 4                             | 8                                      | 10     | 12     | 13     | 16     | 17     | 17      |
|        |                     |                          |        |        |         |                         |        |        |         | 6                             | 10                                     | 13     | 16     | 118    | 21     | 24     | 24      |
| ABP20  | 0.020               | 1.40                     | 2.0    | 4.3    | 6.6     | 2.9                     | 4.5    | 9.7    | 14.9    | 10                            | 15                                     | 20     | 24     | 25     | 29     | 30     | 30      |
|        |                     |                          |        |        |         |                         |        |        |         | 20                            | 24                                     | 28     | 31     | 33     | 38     | 41     | 42      |
| ABP28  | 0.028               | 2.3                      | 3.5    | 7.5    | 11.6    | 5.0                     | 7.9    | 17.0   | 26.0    | 2                             | 6                                      | 6      | 6      | 9      | 11     | 12     | 14      |
|        |                     |                          |        |        |         |                         |        |        |         | 4                             | 8                                      | 8      | 9      | 12     | 16     | 18     | 23      |
|        |                     |                          |        |        |         |                         |        |        |         | 6                             | 10                                     | 12     | 12     | 18     | 21     | 25     | 29      |
| ABP28  | 0.028               | 2.3                      | 3.5    | 7.5    | 11.6    | 5.0                     | 7.9    | 17.0   | 26.0    | 10                            | 15                                     | 17     | 18     | 26     | 29     | 34     | 37      |
|        |                     |                          |        |        |         |                         |        |        |         | 20                            | 24                                     | 29     | 30     | 38     | 44     | 48     | 51      |
| ABP40  | 0.040               | 4.2                      | 6.0    | 12.9   | 19.8    | 9.0                     | 13.0   | 28.0   | 43.0    | 2                             | 7                                      | 8      | 8      | 11     | 11     | 12     | 12      |
|        |                     |                          |        |        |         |                         |        |        |         | 4                             | 12                                     | 15     | 16     | 21     | 24     | 28     | 32      |
|        |                     |                          |        |        |         |                         |        |        |         | 6                             | 16                                     | 20     | 22     | 28     | 34     | 38     | 43      |
| ABP40  | 0.040               | 4.2                      | 6.0    | 12.9   | 19.8    | 9.0                     | 13.0   | 28.0   | 43.0    | 10                            | 24                                     | 29     | 30     | 40     | 46     | 49     | 53      |
|        |                     |                          |        |        |         |                         |        |        |         | 20                            | 36                                     | 41     | 43     | 55     | 62     | 62     | 63      |
| ABP51  | 0.051               | 7.1                      | 11.0   | 24.0   | 36.0    | 16.0                    | 24.0   | 52.0   | 79.0    | 2                             | 87                                     | 9      | 10     | 13     | 14     | 16     | 23      |
|        |                     |                          |        |        |         |                         |        |        |         | 4                             | 12                                     | 15     | 16     | 21     | 24     | 28     | 32      |
|        |                     |                          |        |        |         |                         |        |        |         | 6                             | 16                                     | 20     | 22     | 28     | 24     | 38     | 43      |
| ABP51  | 0.051               | 7.1                      | 11.0   | 24.0   | 36.0    | 16.0                    | 24.0   | 52.0   | 79.0    | 10                            | 24                                     | 29     | 30     | 40     | 46     | 49     | 53      |
|        |                     |                          |        |        |         |                         |        |        |         | 20                            | 36                                     | 41     | 43     | 55     | 62     | 62     | 63      |
| ABP72  | 0.072               | 13.0                     | 19.0   | 41.0   | 63.0    | 27.0                    | 43.0   | 93.0   | 142.0   | 2                             | 7                                      | 9      | 12     | 16     | 20     | 22     | 23      |
|        |                     |                          |        |        |         |                         |        |        |         | 4                             | 11                                     | 13     | 15     | 25     | 22     | 36     | 37      |
|        |                     |                          |        |        |         |                         |        |        |         | 6                             | 14                                     | 17     | 19     | 34     | 41     | 45     | 47      |
| ABP72  | 0.072               | 13.0                     | 19.0   | 41.0   | 63.0    | 27.0                    | 43.0   | 93.0   | 142.0   | 10                            | 20                                     | 24     | 26     | 45     | 55     | 49     | 62      |
|        |                     |                          |        |        |         |                         |        |        |         | 20                            | 33                                     | 39     | 41     | 55     | 70     | 74     | 76      |

\*ABP and ABO nozzle share the same spray characteristics.

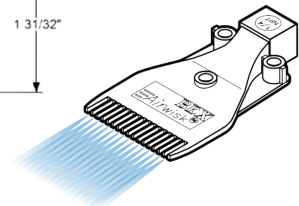
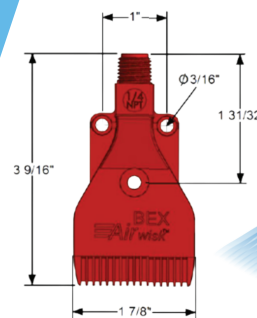


# Airwisk Blow-off Nozzles

Ideal for a wide range of industrial blow-off applications our Airwisk Blow-off Nozzles deliver a concentrated, high-impact flat fan of air for efficient cooling, drying, and debris removal.



Airwisk  
Blow-off Nozzles



## Spray Characteristics

BEX Airwisk nozzles produce a concentrated flat fan pattern of high impact air for cooling, drying and blow off applications.

The Airwisk's design efficiently controls compressed air usage, reduces energy costs and provides optimum air distribution.

## Construction

The BEX Airwisk is made of hard-wearing ABS plastic (rated to 150° F) and has a maximum pressure of 100 PSI. The Airwisk can be mounted individually or side by side to provide greater coverage.

## Typical Applications

- ✓ Cooling of Components/Parts
- ✓ Small Gas Curtains
- ✓ Cleaning and Drying of Parts
- ✓ Debris Removal

| Model # | Thread Size (NPT) | Capacity (SCFM) Various Pressures (PSI) |        |        |        |        |
|---------|-------------------|-----------------------------------------|--------|--------|--------|--------|
|         |                   | 10 PSI                                  | 30 PSI | 40 PSI | 60 PSI | 90 PSI |
| ¼AW15   | ¼"                | 6.5                                     | 12.3   | 15.0   | 20.5   | 28.7   |