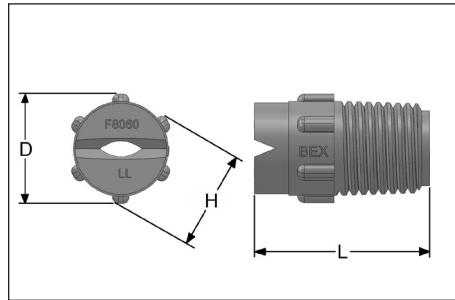




F80 MOLDED SPRAY NOZZLE

FLAT SPRAY · THREADED CONNECTION



Spray angle not exactly as shown

SPRAY CHARACTERISTICS:

F-series spray nozzles produce a flat, fan shaped spray pattern, with spray angles available from 0° to 110° at 40 PSI.

CONSTRUCTION:

Each BEX molded nozzle is designed with a series of “knobs” which makes them easier to finger tighten than a hex, especially when wet. The design feature of a small starter barrel greatly reduces the tendency to strip or cross-thread the nozzle during installation.

MATERIALS AVAILABLE:

POLYOROPYLENE (LL) - (Green)

Excellent chemical and corrosion resistance. Useful up to 175°F

NATURAL POLYPROPYLENE (LN) Non-pigmented for optimum purity

PVDF (KK) - (Red) Excellent durability and abrasion resistance and is inert to most chemicals. Useful up to 300°F.

NATURAL PVDF (KN)

Non-pigmented for optimum purity.

TYPICAL APPLICATIONS:

- Printed Circuit Board Washing
- PCB-Etching/Developing
- Semiconductor Manufacturing
- Pressure Washing
- Street Sweeping
- Carpet Cleaning
- Fruit and Vegetable Washing
- Plating Processing
- Dust Suppression
- Acid Spraying
- Degreasing
- Coating Applications
- Foam Control
- Metal Washing
- Chemical Spraying
- Rising Parts

| NOZZLE TYPE | Dim. D | Dim. H | Dim. L |
|-------------|--------|--------|--------|
| 1/8F | 0.62 | 9/16 | 0.8 |
| 1/4F | 0.62 | 9/16 | 1.0 |
| 3/8F | 0.77 | 11/16 | 1.0 |

| Model ID | Equiv. Orif. Dia. | Capacities at Various Pressures | | | | | | | | | | | | | Spray Angles | | |
|-----------|-------------------|---------------------------------|---------|---------|---------|---------|-------|-------|-------|-------|-------|--------|--------|--------|--------------|-------|-------|
| | | 0.3 bar | 0.5 bar | 0.7 bar | 1.0 bar | 1.5 bar | 2 bar | 3 bar | 4 bar | 5 bar | 7 bar | 10 bar | 20 bar | 30 bar | 1.5 bar | 3 bar | 5 bar |
| 1/8F8002 | 0.86 | 0.250 | 0.32 | 0.38 | 0.46 | 0.56 | 0.64 | 0.79 | 0.91 | 1.02 | 1.21 | 1.44 | 2.04 | 2.50 | 74 | 80 | 99 |
| 1/4F8002 | 0.86 | 0.250 | 0.32 | 0.38 | 0.46 | 0.56 | 0.64 | 0.79 | 0.91 | 1.02 | 1.21 | 1.44 | 2.04 | 2.50 | 74 | 80 | 79 |
| 1/8F80025 | 0.97 | 0.312 | 0.40 | 0.48 | 0.57 | 0.70 | 0.81 | 0.99 | 1.14 | 1.27 | 1.51 | 1.80 | 2.55 | 3.12 | 74 | 80 | 79 |
| 1/8F8003 | 1.07 | 0.37 | 0.48 | 0.57 | 0.68 | 0.84 | 0.97 | 1.18 | 1.37 | 1.53 | 1.81 | 2.16 | 3.06 | 3.7 | 71 | 80 | 83 |
| 1/4F8003 | 1.07 | 0.37 | 0.48 | 0.57 | 0.68 | 0.84 | 0.97 | 1.18 | 1.37 | 1.53 | 1.81 | 2.16 | 3.06 | 3.7 | 71 | 80 | 83 |
| 1/8F8004 | 1.22 | 0.50 | 0.64 | 0.76 | 0.91 | 1.12 | 1.29 | 1.58 | 1.82 | 2.04 | 2.41 | 2.88 | 4.1 | 5.0 | 67 | 80 | 84 |
| 1/4F8004 | 1.22 | 0.50 | 0.64 | 0.76 | 0.91 | 1.12 | 1.29 | 1.58 | 1.82 | 2.04 | 2.41 | 2.88 | 4.1 | 5.0 | 67 | 80 | 84 |



| Model ID | Equiv. Orif. Dia. | Capacities at Various Pressures | | | | | | | | | | | | | Spray Angles | | |
|----------|----------------------|---------------------------------|------------|------------|------------|------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|--------------|----------|----------|
| | | 0.3 bar | 0.5 bar | 0.7 bar | 1.0 bar | 1.5 bar | 2 bar | 3 bar | 4 bar | 5 bar | 7 bar | 10 bar | 20 bar | 30 bar | 1.5 bar | 3 bar | 5 bar |
| 1/8F8005 | 1.37 | 0.62 | 0.81 | 0.95 | 1.14 | 1.40 | 1.61 | 1.97 | 2.28 | 2.55 | 3.01 | 3.6 | 5.1 | 6.2 | 74 | 80 | 83 |
| 1/4F8005 | 1.37 | 0.62 | 0.81 | 0.95 | 1.14 | 1.40 | 1.61 | 1.97 | 2.28 | 2.55 | 3.01 | 3.6 | 5.1 | 6.2 | 74 | 80 | 83 |
| 1/8F8006 | 1.50 | 0.75 | 0.97 | 1.14 | 1.37 | 1.67 | 1.93 | 2.37 | 2.73 | 3.06 | 3.6 | 4.3 | 6.1 | 7.5 | 74 | 80 | 83 |
| 1/4F8006 | 1.50 | 0.75 | 0.97 | 1.14 | 1.37 | 1.67 | 1.93 | 2.37 | 2.73 | 3.06 | 3.6 | 4.3 | 6.1 | 7.5 | 74 | 80 | 83 |
| 1/4F8008 | 1.73 | 1.00 | 1.29 | 1.53 | 1.82 | 2.23 | 2.58 | 3.16 | 3.6 | 4.1 | 4.8 | 5.8 | 8.2 | 10.0 | 75 | 80 | 83 |
| 1/4F8010 | 1.93 | 1.25 | 1.61 | 1.91 | 2.28 | 2.79 | 3.2 | 3.9 | 4.6 | 5.1 | 6.0 | 7.2 | 10.2 | 12.5 | 75 | 80 | 83 |
| 3/8F8010 | 1.93 | 1.25 | 1.61 | 1.91 | 2.28 | 2.79 | 3.2 | 3.9 | 4.6 | 5.1 | 6.0 | 7.2 | 10.2 | 12.5 | 75 | 80 | 83 |
| 1/4F8015 | 2.39 | 1.87 | 2.42 | 2.86 | 3.4 | 4.2 | 4.8 | 5.9 | 6.8 | 7.6 | 9.0 | 10.8 | 15.3 | 18.7 | 74 | 80 | 86 |
| 3/8F8015 | 2.39 | 1.87 | 2.42 | 2.86 | 3.4 | 4.2 | 4.8 | 5.9 | 6.8 | 7.6 | 9.0 | 10.8 | 15.3 | 18.7 | 74 | 80 | 86 |
| 1/4F8020 | 2.74 | 2.50 | 3.2 | 3.8 | 4.6 | 5.6 | 6.4 | 7.9 | 9.1 | 10.2 | 12.1 | 14.4 | 20.4 | 25.0 | 74 | 80 | 85 |
| 3/8F8020 | 2.74 | 2.50 | 3.2 | 3.8 | 4.6 | 5.6 | 6.4 | 7.9 | 9.1 | 10.2 | 12.1 | 14.4 | 20.4 | 25.0 | 74 | 80 | 85 |
| 1/4F8030 | 3.38 | 3.7 | 4.8 | 5.7 | 6.8 | 8.4 | 9.7 | 11.8 | 13.7 | 15.3 | 18.1 | 21.6 | 30.6 | 37 | 75 | 80 | 86 |
| 3/8F8030 | 3.38 | 3.7 | 4.8 | 5.7 | 6.8 | 8.4 | 9.7 | 11.8 | 13.7 | 15.3 | 18.1 | 21.6 | 30.6 | 37 | 75 | 80 | 86 |
| 1/4F8040 | 3.89 | 5.0 | 6.4 | 7.6 | 9.1 | 11.2 | 12.9 | 15.8 | 18.2 | 20.4 | 24.1 | 28.8 | 41 | 50 | 76 | 80 | 85 |
| 3/8F8040 | 3.89 | 5.0 | 6.4 | 7.6 | 9.1 | 11.2 | 12.9 | 15.8 | 18.2 | 20.4 | 24.1 | 28.8 | 41 | 50 | 76 | 80 | 85 |
| 1/4F8050 | 4.34 | 6.2 | 8.1 | 9.5 | 11.4 | 14.0 | 16.1 | 19.7 | 22.8 | 25.5 | 30.1 | 36 | 51 | 62 | 77 | 80 | 84 |
| 3/8F8050 | 4.34 | 6.2 | 8.1 | 9.5 | 11.4 | 14.0 | 16.1 | 19.7 | 22.8 | 25.5 | 30.1 | 36 | 51 | 62 | 77 | 80 | 84 |
| 1/4F8060 | 4.75 | 7.5 | 9.7 | 11.4 | 13.7 | 16.7 | 19.3 | 23.7 | 27.3 | 30.6 | 36 | 43 | 61 | 75 | 77 | 80 | 84 |
| 3/8F8060 | 4.75 | 7.5 | 9.7 | 11.4 | 13.7 | 16.7 | 19.3 | 23.7 | 27.3 | 30.6 | 36 | 43 | 61 | 75 | 78 | 80 | 84 |
| 1/4F8070 | 5.13 | 8.7 | 11.3 | 13.3 | 16.0 | 19.5 | 22.6 | 27.6 | 32 | 36 | 42 | 50 | 71 | 87 | 78 | 80 | 89 |
| 3/8F8070 | 5.13 | 8.7 | 11.3 | 13.3 | 16.0 | 19.5 | 22.6 | 27.6 | 32 | 36 | 42 | 50 | 71 | 87 | 78 | 80 | 89 |

