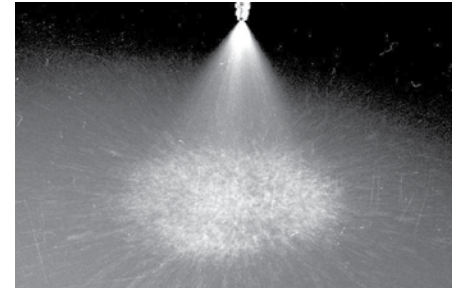
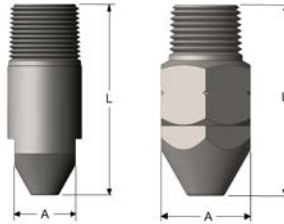




# S30 & GS30 SPRAY NOZZLES

## Air Blow-off nozzles



### TYPICAL APPLICATIONS:

- Scrubbing and Pollution Control
- Rinsing and Cooling

### SPRAY CHARACTERISTICS:

With a narrow spray pattern and larger droplet sizes, BEX 30° full cone nozzles have more impact per unit area of spraying surface than wider full cone nozzles.

### CONSTRUCTION:

These nozzles are made with a large free passage internal vane and either a two piece (GS) body or a one piece (S) body. Standard materials are brass, 303SS, and 316SS. Both NPT and BSPT threads are available.

| Model        |              | Max. Free Passage<br>(in) | Dimensions  |             | CAPACITY AT VARIOUS PRESSURES<br>(USGPM) |           |           |           |           |           |            |            |            |            |           | SPRAY ANGLE @<br>(degrees) |            |  |
|--------------|--------------|---------------------------|-------------|-------------|------------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|----------------------------|------------|--|
| Female       | Male         |                           | "A"<br>(in) | "L"<br>(in) | 15<br>psi                                | 20<br>psi | 30<br>psi | 40<br>psi | 60<br>psi | 80<br>psi | 100<br>psi | 150<br>psi | 200<br>psi | 300<br>psi | 15<br>psi | 40<br>psi                  | 100<br>psi |  |
| 1/8FGS3001.4 | 1/8GS3001.4  | 0.028                     | 0.625 Hex   | 1.312       | 0.09                                     | 0.10      | 0.12      | 0.14      | 0.17      | 0.20      | 0.22       | 0.27       | 0.31       | 0.38       | 17        | 30                         | 31         |  |
| 1/8FGS3002.5 | 1/8GS3002.5  | 0.036                     | 0.625 Hex   | 1.312       | 0.15                                     | 0.18      | 0.22      | 0.25      | 0.31      | 0.35      | 0.40       | 0.48       | 0.56       | 0.68       | 17        | 30                         | 32         |  |
| 1/8FGS3004   | 1/8GS3004    | 0.049                     | 0.625 Hex   | 1.438       | 0.25                                     | 0.28      | 0.35      | 0.40      | 0.49      | 0.57      | 0.63       | 0.77       | 0.89       | 1.10       | 26        | 30                         | 32         |  |
| 1/8FGS3007   | 1/8GS3007    | 0.057                     | 0.625 Hex   | 1.438       | 0.43                                     | 0.50      | 0.61      | 0.70      | 0.86      | 0.99      | 1.11       | 1.36       | 1.57       | 1.92       | 23        | 30                         | 30         |  |
| 1/4FGS3009   | 1/4GS3009    | 0.067                     | 0.688 Hex   | 1.500       | 0.55                                     | 0.64      | 0.78      | 0.90      | 1.10      | 1.27      | 1.42       | 1.74       | 2.01       | 2.46       | 23        | 30                         | 30         |  |
| 3/8FGS3014   | 3/8GS3014    | 0.081                     | 0.812 Hex   | 2.125       | 0.86                                     | 0.99      | 1.21      | 1.40      | 1.71      | 1.98      | 2.21       | 2.71       | 3.13       | 3.8        | 26        | 30                         | 31         |  |
| 1/2FGS3030   | 1/2GS3030    | 0.114                     | 1.000 Hex   | 2.312       | 1.84                                     | 2.12      | 2.60      | 3.00      | 3.7       | 4.2       | 4.7        | 5.8        | 6.7        | 8.2        | 31        | 30                         | 31         |  |
| 3/4FGS3050   | 3/4GS3050    | 0.162                     | 1.375 Hex   | 3.500       | 3.06                                     | 3.5       | 4.3       | 5.0       | 6.1       | 7.1       | 7.9        | 9.7        | 11.2       | 13.7       | 26        | 30                         | 31         |  |
|              | 1S3070       | 0.193                     | 1.375 Round | 3.625       | 4.3                                      | 4.9       | 6.1       | 7.0       | 8.6       | 9.9       | 11.1       | 13.6       | 15.7       | 19.2       | 27        | 30                         | 30         |  |
|              | 1S30100      | 0.230                     | 1.375 Round | 3.625       | 6.1                                      | 7.1       | 8.7       | 10.0      | 12.2      | 14.1      | 15.8       | 19.4       | 22.4       | 27.4       | 27        | 30                         | 30         |  |
|              | 1-1/4S30150  | 0.282                     | 1.750 Round | 5.000       | 9.2                                      | 10.6      | 13.0      | 15.0      | 18.4      | 21.2      | 23.7       | 29.0       | 34         | 41         | 27        | 30                         | 30         |  |
|              | 1-1/4S30200  | 0.326                     | 1.750 Round | 5.000       | 12.2                                     | 14.1      | 17.3      | 20.0      | 24.5      | 28.3      | 32         | 39         | 45         | 55         | 27        | 30                         | 30         |  |
|              | 1-1/2S30250  | 0.360                     | 2.000 Round | 6.125       | 15.3                                     | 17.7      | 21.7      | 25.0      | 30.6      | 35        | 40         | 48         | 56         | 68         | 27        | 30                         | 30         |  |
|              | 1-1/2S30300  | 0.406                     | 2.000 Round | 6.125       | 18.4                                     | 21.2      | 26.0      | 30.0      | 37        | 42        | 47         | 58         | 67         | 82         | 27        | 30                         | 30         |  |
|              | 2S30350      | 0.430                     | 2.375 Round | 7.875       | 21.4                                     | 24.7      | 30.3      | 35        | 43        | 49        | 55         | 68         | 78         | 96         | 28        | 30                         | 30         |  |
|              | 2S30400      | 0.461                     | 2.375 Round | 7.875       | 24.5                                     | 28.3      | 35        | 40        | 49        | 57        | 63         | 77         | 89         | 110        | 28        | 30                         | 30         |  |
|              | 2S30500      | 0.500                     | 2.375 Round | 7.875       | 30.6                                     | 35        | 43        | 50        | 61        | 71        | 79         | 97         | 112        | 137        | 28        | 30                         | 30         |  |
|              | 2-1/2S30600  | 0.560                     | 3.000 Round | 10.375      | 37                                       | 42        | 52        | 60        | 73        | 85        | 95         | 116        | 134        | 164        | 28        | 30                         | 30         |  |
|              | 2-1/2S30700  | 0.600                     | 3.000 Round | 10.375      | 43                                       | 49        | 61        | 70        | 86        | 99        | 111        | 136        | 157        | 192        | 28        | 30                         | 30         |  |
|              | 2-1/2S301000 | 0.730                     | 3.000 Round | 10.375      | 61                                       | 71        | 87        | 100       | 122       | 141       | 158        | 194        | 224        | 274        | 28        | 30                         | 30         |  |
|              | 2-1/2S301100 | 0.760                     | 3.000 Round | 10.375      | 67                                       | 78        | 95        | 110       | 135       | 156       | 174        | 213        | 246        | 301        | 28        | 30                         | 30         |  |
|              | 2-1/2S301200 | 0.800                     | 3.000 Round | 10.375      | 73                                       | 85        | 104       | 120       | 147       | 170       | 190        | 232        | 268        | 329        | 28        | 30                         | 30         |  |