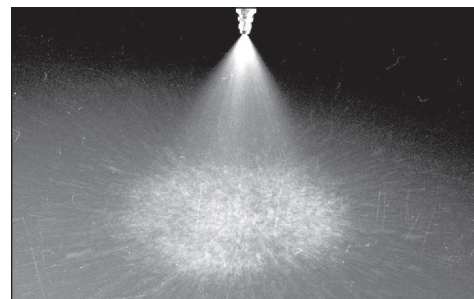
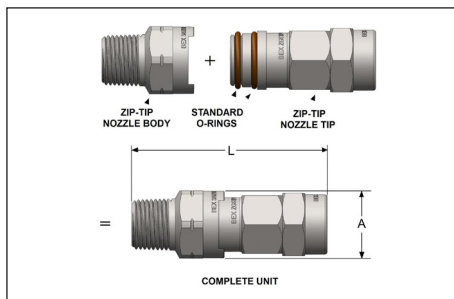




# ZGS SERIES SPRAY NOZZLES

FULL CONE • THREADED CONNECTION • TWO-PIECE



## SPRAY CHARACTERISTICS:

Full cone spray pattern, with uniform distribution throughout the cone.

## TYPICAL APPLICATIONS:

- Chemical Processing
- Cooling Sprays
- Continuous Casting
- Foam Breaking

## CONSTRUCTION:

Two piece body + removable insert. The nozzle contains a patented insert with larger flow passages, and is less susceptible to clogging.



| NOZZLE<br>NPT<br>PIPE SIZE | Length L<br>(in) | Dim. A<br>(in) |
|----------------------------|------------------|----------------|
| 1/8ZGS                     | 1.98             | 0.97           |
| 1/4ZGS                     | 2.12             | 0.97           |
| 3/8ZGS                     | 2.56             | 0.97           |
| 1/2ZGS                     | 2.63             | 0.97           |
| 1/2ZLGS                    | 2.79             | 1.25           |
| 3/4ZLGS                    | 2.87             | 1.25           |

| Model # | Capacity |          |          |           |           |           |           |           |           |           |            |            | Spray Angle |           |           |
|---------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|-------------|-----------|-----------|
|         | 3<br>psi | 5<br>psi | 7<br>psi | 10<br>psi | 15<br>psi | 20<br>psi | 30<br>psi | 40<br>psi | 60<br>psi | 80<br>psi | 100<br>psi | 150<br>psi | 7<br>psi    | 20<br>psi | 80<br>psi |
| ZGS1    | 0.055    | 0.071    | 0.084    | 0.100     | 0.122     | 0.141     | 0.173     | 0.200     | 0.245     | 0.283     | 0.32       | 0.39       | --          | 55°       | 52°       |
| ZGS1.5  | 0.082    | 0.106    | 0.126    | 0.150     | 0.184     | 0.212     | 0.260     | 0.300     | 0.37      | 0.42      | 0.47       | 0.58       | --          | 65°       | 57°       |
| ZGS2    | 0.110    | 0.141    | 0.167    | 0.200     | 0.245     | 0.283     | 0.35      | 0.40      | 0.49      | 0.57      | 0.63       | 0.77       | 54°         | 59°       | 60°       |
| ZGS3    | 0.164    | 0.212    | 0.251    | 0.300     | 0.37      | 0.42      | 0.52      | 0.60      | 0.73      | 0.85      | 0.95       | 1.16       | 50°         | 53°       | 60°       |
| ZGS3.5  | 0.192    | 0.248    | 0.293    | 0.35      | 0.43      | 0.50      | 0.61      | 0.70      | 0.86      | 0.99      | 1.11       | 1.36       | 48°         | 58°       | 61°       |
| ZGS5    | 0.274    | 0.35     | 0.42     | 0.50      | 0.61      | 0.71      | 0.87      | 1.00      | 1.22      | 1.41      | 1.58       | 1.94       | 60°         | 75°       | 70°       |
| ZGS6    | 0.33     | 0.42     | 0.50     | 0.60      | 0.73      | 0.85      | 1.04      | 1.20      | 1.47      | 1.70      | 1.90       | 2.32       | 67°         | 72°       | 70°       |
| ZGS6.5  | 0.36     | 0.46     | 0.54     | 0.65      | 0.80      | 0.92      | 1.13      | 1.30      | 1.59      | 1.84      | 2.06       | 2.52       | 48°         | 56°       | 70°       |
| ZGS7.5  | 0.41     | 0.53     | 0.63     | 0.75      | 0.92      | 1.06      | 1.30      | 1.50      | 1.84      | 2.12      | 2.37       | 2.90       | 55°         | 65°       | 48°       |
| ZGS8.5  | 0.47     | 0.60     | 0.71     | 0.85      | 1.04      | 1.20      | 1.47      | 1.70      | 2.08      | 2.40      | 2.69       | 3.3        | 58°         | 65°       | 63°       |
| ZGS10   | 0.55     | 0.71     | 0.84     | 1.00      | 1.22      | 1.41      | 1.73      | 2.00      | 2.45      | 2.83      | 3.2        | 3.9        | 60°         | 65°       | 62°       |
| ZGS14   | 0.77     | 0.99     | 1.17     | 1.40      | 1.71      | 1.98      | 2.42      | 2.80      | 3.4       | 4.0       | 4.4        | 5.4        | 78°         | 85°       | 75°       |
| ZGS15   | 0.82     | 1.06     | 1.26     | 1.50      | 1.84      | 2.12      | 2.60      | 3.00      | 3.7       | 4.2       | 4.7        | 5.8        | 63°         | 65°       | 60°       |
| ZGS18   | 0.99     | 1.27     | 1.51     | 1.80      | 2.20      | 2.55      | 3.12      | 3.6       | 4.4       | 5.1       | 5.7        | 7.0        | 85°         | 88°       | 76°       |
| ZGS20   | 1.10     | 1.41     | 1.67     | 2.00      | 2.45      | 2.83      | 3.5       | 4.0       | 4.9       | 5.7       | 6.3        | 7.7        | 76°         | 82°       | 75°       |

