



SFSS Pty Ltd

## FLUID SEALING AND SPRAY

INDUSTRIAL FLUID SEALING & SPRAY SOLUTIONS

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# P Fine Atomization

## DESIGN FEATURES

- High energy efficiency
- One-piece construction
- No whirl vanes or internal parts
- Highly efficient laminar jet impinges on target pin generating fine fog
- Male connection

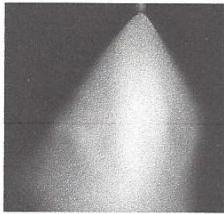
## SPRAY CHARACTERISTICS

- Finest fog of any direct pressure nozzle
- Produces high percentage of droplets in the 25-400micron range, ideal for dust suppression

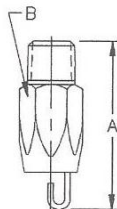
**Spray pattern:** Cone shaped fog

**Spray angle:** 90°

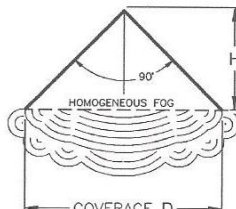
**Flow rates:** 0.153 to 30.3 l/min



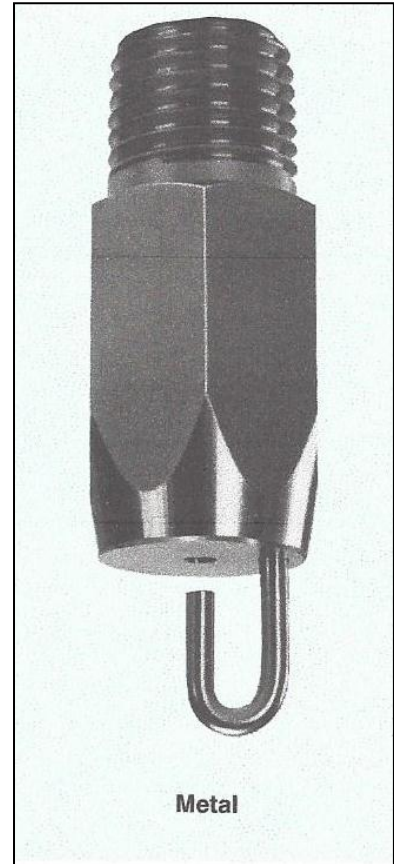
Fog



Male



Fog Pattern



Metal

## P Flow Rates and Dimensions

Cone-Shaped Fog, 90° Spray Angle, 1/4" Pipe Size, BSP or NPT

| Male<br>Pipe<br>Size | Nozzle<br>Number | K<br>Factor | LITERS PER MINUTE @ BAR |          |          |          |          |           |           |           | Apprx.<br>Orifice<br>Dia.(mm) | Apprx.<br>Coverage<br>(mm) | Apprx.<br>Spray<br>Height<br>H (mm) | Apprx.<br>Dim.(mm) |      | Wt.<br>(g)<br>Metal |
|----------------------|------------------|-------------|-------------------------|----------|----------|----------|----------|-----------|-----------|-----------|-------------------------------|----------------------------|-------------------------------------|--------------------|------|---------------------|
|                      |                  |             | 1<br>bar                | 2<br>bar | 3<br>bar | 5<br>bar | 7<br>bar | 10<br>bar | 20<br>bar | 30<br>bar |                               | D                          |                                     | A                  | B    |                     |
| 1/4                  | P20              | 0.153       | 0.153                   | 0.216    | 0.264    | 0.341    | 0.404    | 0.483     | 0.683     | 0.836     | 0.508                         | 300                        | 150                                 |                    |      |                     |
|                      | P24              | 0.228       | 0.228                   | 0.322    | 0.395    | 0.510    | 0.603    | 0.721     | 1.02      | 1.25      | 0.610                         | 400                        | 200                                 |                    |      |                     |
|                      | P28              | 0.296       | 0.296                   | 0.419    | 0.513    | 0.662    | 0.784    | 0.937     | 1.32      | 1.62      | 0.711                         | 460                        | 230                                 |                    |      |                     |
|                      | P32              | 0.410       | 0.410                   | 0.580    | 0.710    | 0.917    | 1.09     | 1.30      | 1.83      | 2.25      | 0.813                         | 560                        | 280                                 |                    |      |                     |
|                      | P40              | 0.638       | 0.638                   | 0.902    | 1.11     | 1.43     | 1.69     | 2.02      | 2.85      | 3.49      | 1.02                          | 610                        | 305                                 | 50.8               | 16.0 | 57                  |
|                      | P48              | 0.912       | 0.912                   | 1.29     | 1.58     | 2.04     | 2.41     | 2.88      | 4.08      | 4.99      | 1.22                          | 710                        | 355                                 |                    |      |                     |
|                      | P54              | 1.21        | 1.21                    | 1.71     | 2.09     | 2.70     | 3.20     | 3.82      | 5.40      | 6.62      | 1.37                          | 760                        | 380                                 |                    |      |                     |
|                      | P66              | 1.71        | 1.71                    | 2.42     | 2.96     | 3.82     | 4.52     | 5.40      | 7.64      | 9.36      | 1.68                          | 910                        | 455                                 |                    |      |                     |
|                      | P80              | 2.46        | 2.46                    | 3.48     | 4.26     | 5.50     | 6.51     | 7.78      | 11.0      | 13.5      | 2.03                          | 1200                       | 600                                 |                    |      |                     |
|                      | P120             | 5.54        | 5.54                    | 7.83     | 9.59     | 12.4     | 14.7     | 17.5      | 24.8      | 30.3      | 3.05                          | 1500                       | 750                                 |                    |      |                     |

Flow Rate (l/min) = K bar

Standard Materials: Brass, 303 Stainless Steel and 316 Stainless Steel.