



## Stationary



### DESIGN FEATURES

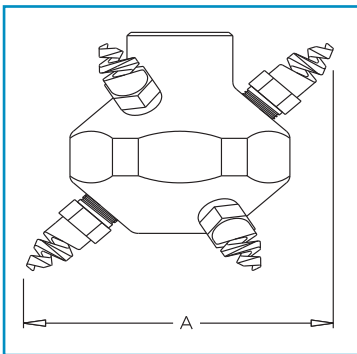
- Each nozzle in the stationary manifold is a BETE clog-resistant spiral nozzle of the TF Series
- Can be supplied with various other BETE nozzles for any desired application
- Female connection

### SPRAY CHARACTERISTICS

- Spherical omnidirectional coverage
- Six nozzles arranged in cluster to project spray in all directions

**Spray Angles:** 360°

**Flow Rates:** 4.2 to 157 GPM



### DIMENSIONS IN INCHES

| Pipe Size | Overall Diameter A | Weight      |              |
|-----------|--------------------|-------------|--------------|
|           |                    | Metal (lbs) | Plastic (oz) |
| 3/4"      | 4.50               | 2.3         | 6            |
| 1"        | 5.25               | 4.1         | 11           |

## LEM FLOW RATES

Materials: Brass, 316 Stainless Steel

| Female Connection Type | Nozzle Number | Spray Angles | K Factor | Flow Rate (GPM) @ Differential Pressure (psi) |      |      |      |      |      |      | Scrubbing Dia<br>ft | Rinsing Dia<br>ft |
|------------------------|---------------|--------------|----------|-----------------------------------------------|------|------|------|------|------|------|---------------------|-------------------|
|                        |               |              |          | 10                                            | 20   | 30   | 40   | 60   | 80   | 100  |                     |                   |
|                        |               |              |          | psi                                           | psi  | psi  | psi  | psi  | psi  | psi  |                     |                   |
| 3/4" FNPT/BSP          | LEM-6         | 360°         | 1.33     | 4.20                                          | 5.94 | 7.27 | 8.40 | 10.3 | 11.9 | 13.3 | 2                   | 3                 |
|                        | LEM-8         |              | 2.53     | 8.00                                          | 11.3 | 13.9 | 16.0 | 19.6 | 22.6 | 25.3 | 3                   | 6                 |
|                        | LEM-10        |              | 3.95     | 12.5                                          | 17.7 | 21.7 | 25.0 | 30.6 | 35.4 | 39.5 | 5                   | 9                 |
| 1" FNPT/BSP            | LEM-12        | 360°         | 5.69     | 18.0                                          | 25.5 | 31.2 | 36.0 | 44.1 | 50.9 | 56.9 | 6                   | 13                |
|                        | LEM-14        |              | 7.68     | 24.3                                          | 34.4 | 42.1 | 48.6 | 59.5 | 68.7 | 76.8 | 7                   | 13                |
|                        | LEM-16        |              | 10.0     | 31.5                                          | 44.5 | 54.6 | 63.0 | 77.2 | 89.1 | 99.6 | 7                   | 14                |
|                        | LEM-20        |              | 15.7     | 49.5                                          | 70.0 | 85.7 | 99.0 | 121  | 140  | 157  | 8                   | 16                |

Flow Rate (GPM) =  $K\sqrt{PSI}$

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.

For special flow rates and nozzle tips contact BETE.