

TW

Tank Washing

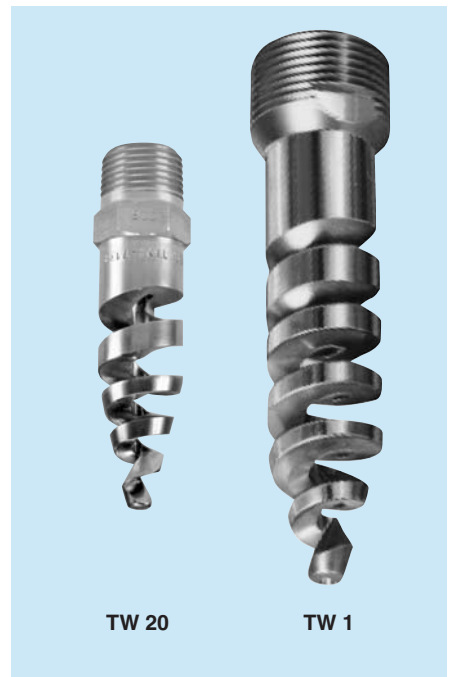
DESIGN FEATURES

- Clog-resistant spiral design
- Energy efficient
- Compact design; fits small openings

SPRAY CHARACTERISTICS

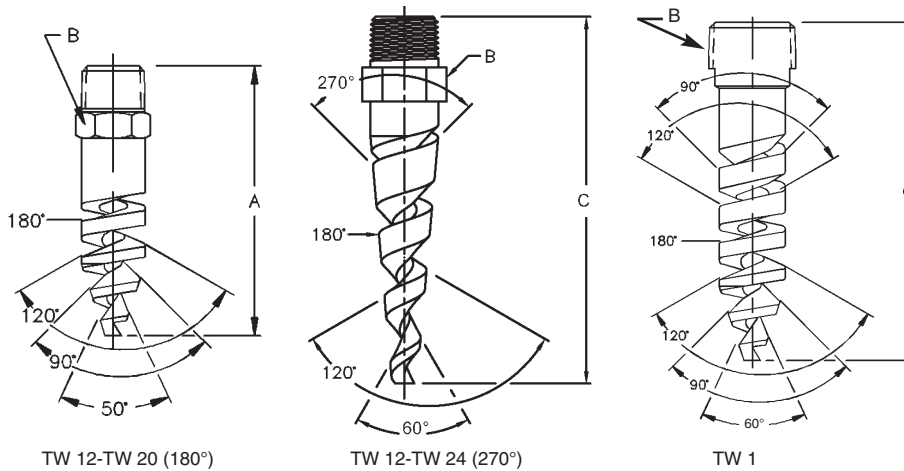
- Easy to maintain
- Unique patterns that spray in opposing directions

Flow rates: 11.4 to 260 l/min



TW 20

TW 1



TW 12-TW 20 (180°)

TW 12-TW 24 (270°)

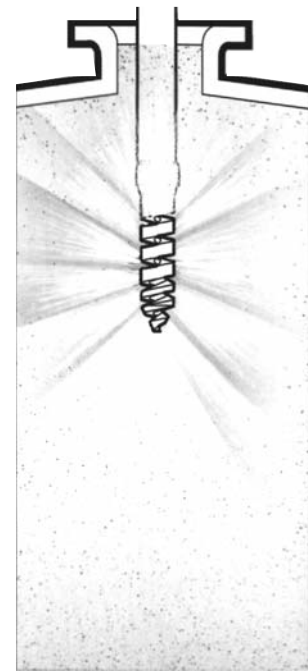
TW 1

Dimensions are approximate. Check with BETE for critical dimension applications.

Tank Washing TW Coverage Chart

When spraying at 2 - 3 bar

| Pipe Size | Nozzle Number | Scrubbing Diameter (mm) | Rinsing Diameter (mm) |
|-----------|---------------|-------------------------|-----------------------|
| 3/8 | TW12 | 380 | 760 |
| | TW14 | 460 | 1200 |
| | TW16 | 610 | 1500 |
| | TW20 | 910 | 2100 |
| 1/2 | TW24 | 1200 | 2700 |
| 1 | TW1 | 2400 | 6100 |



Tank Washing TW Flow Rates and Dimensions

TW 180° and 270°, 3/8", 1/2", and 1" Pipe Sizes

| Male Pipe Size | Nozzle Number | Available Spray Angles | K Factor | LITERS PER MINUTE | | | | | Approx. (mm) | | Metal Only Dim. (mm) | | | Weight (g) Metal | |
|----------------|---------------|------------------------|----------|-------------------|-------|-------|-------|-------|--------------|-------------|----------------------|------|------|------------------|------|
| | | | | 0.7 bar | 1 bar | 2 bar | 3 bar | 4 bar | 5 bar | Orifice Dia | Free Pass. Dia. | A | B | | C |
| 3/8 | TW12 | 180°, 270° | 13.7 | 11.4 | 13.7 | 19.3 | 23.7 | 27.3 | 30.6 | 4.83 | 3.30 | 73.0 | 17.5 | 92.1 | 49.6 |
| | TW14 | 180°, 270° | 18.5 | 15.4 | 18.5 | 26.1 | 32.0 | 36.9 | 41.3 | 5.59 | 3.30 | | | | |
| | TW16 | 180°, 270° | 24.2 | 20.2 | 24.2 | 34.2 | 41.8 | 48.3 | 54.0 | 6.35 | 3.30 | | | | |
| | TW20 | 180°, 270° | 37.6 | 31.5 | 37.6 | 53.2 | 65.1 | 75.2 | 84.1 | 7.87 | 3.30 | | | | |
| 1/2 | TW24 | 270° | 54.9 | 46.0 | 54.9 | 77.7 | 95.1 | 110 | 123 | 10.4 | 4.32 | | 22.2 | 108.0 | 181 |
| 1 | TW1 | 270° | 116 | 97.2 | 116 | 164 | 201 | 232 | 260 | 14.2 | 5.08 | | 28.7 | 146.1 | 298 |

$$\text{Flow Rate (l/min)} = K \sqrt{\text{bar}}$$

Standard Materials: Brass, 316 Stainless Steel