



THE  
**SPRAY NOZZLE**  
PEOPLE

# WTX

Extended Life  
Tangential Whirl

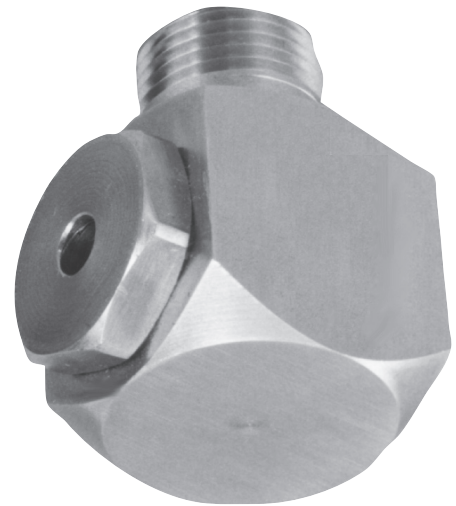
## HOLLOW CONE

### DESIGN FEATURES

- ✓ Conventional design using tangential whirl method of atomisation
- ✓ Oversized body for extended life
- ✓ Use where a circular pattern is required or in large area multiple installations where there is considerable overlapping of sprays
- ✓ Male and female connections
- ✓ Large free passage

### SPRAY CHARACTERISTICS

- ✓ Spray pattern: Hollow Cone
- ✓ Spray angles: 70° to 120°
- ✓ Flow rates: 0.125 to 145 l/min



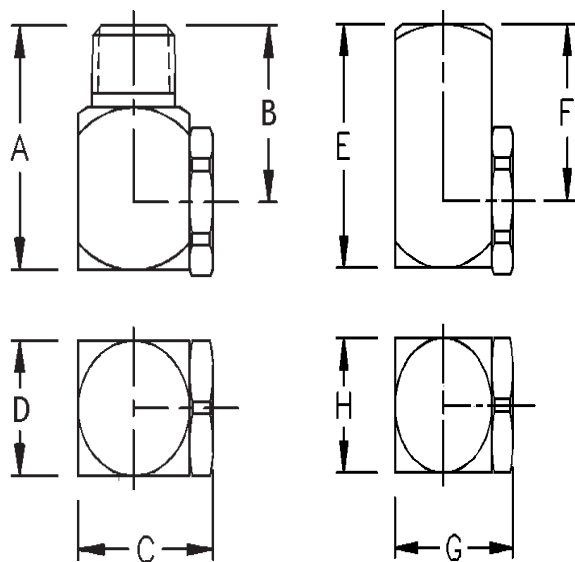
The WTX is a right angle, tangential whirl, hollow cone spray nozzle. As with most hollow cone nozzles it produces a relatively fine level of atomisation. It is available in 74 standard sizes and two standard spray angles. It is extremely durable with a large free passage for good clog resistance. The WTX is used in many applications including:

Pasteurisation Tunnels  
Gas Scrubbing  
And many more.

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The Go-to People for spray nozzle solutions

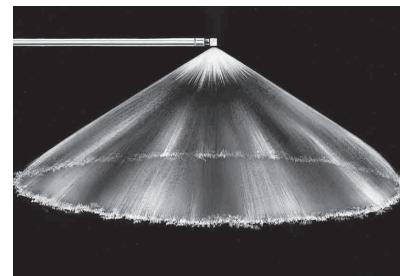


Male

Female



Hollow cone 90°



Hollow cone 120°

## WTX Flow Rates and Dimensions

Hollow Cone, Medium and Extra Wide Spray Angles, 1/8" to 3/4" Pipe Sizes, BSP or NPT

| Male or female<br>Pipe<br>Size | Nozzle<br>No | Spray<br>Angles | K     | Flow rates (l/min) at bar |            |            |          |          |          |          |          |              | Dimensions (mm) |      |      |      |      |      |      |      | Weight<br>(g) |     |      |
|--------------------------------|--------------|-----------------|-------|---------------------------|------------|------------|----------|----------|----------|----------|----------|--------------|-----------------|------|------|------|------|------|------|------|---------------|-----|------|
|                                |              |                 |       | 0.3<br>bar                | 0.5<br>bar | 0.7<br>bar | 1<br>bar | 2<br>bar | 3<br>bar | 5<br>bar | 7<br>bar | Inlet<br>Dia | Ori<br>Dia      | A    | B    | C    | D    | E    | F    | G    | H             | Met | Plas |
| 1/8"                           | WTX10        | 70° 110°        | 0.228 | 0.125                     | 0.161      | 0.191      | 0.228    | 0.322    | 0.395    | 0.51     | 0.603    | 1.02         | 1.17            | 28.4 | 22.4 | 16   | 12.7 | 22.4 | 16   | 16.5 | 12.7          | 28  | 14   |
|                                | WTX20        | 70° 115°        | 0.456 | 0.25                      | 0.322      | 0.381      | 0.456    | 0.645    | 0.789    | 1.02     | 1.21     | 1.52         | 1.52            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX40        | 70°             | 0.912 | 0.499                     | 0.645      | 0.763      | 0.912    | 1.29     | 1.58     | 2.04     | 2.41     | 2.29         | 2.29            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX50        | 115°            | 1.14  | 0.624                     | 0.806      | 0.953      | 1.14     | 1.61     | 1.97     | 2.55     | 3.01     | 2.29         | 2.29            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX60        | 70° 115°        | 1.37  | 0.749                     | 0.967      | 1.14       | 1.37     | 1.93     | 2.37     | 3.06     | 3.62     | 2.54         | 2.79            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX70        | 115°            | 1.6   | 0.874                     | 1.13       | 1.33       | 1.6      | 2.26     | 2.76     | 3.57     | 4.22     | 2.54         | 2.79            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX80        | 120°            | 1.82  | 0.999                     | 1.29       | 1.53       | 1.82     | 2.58     | 3.16     | 4.08     | 4.82     | 2.79         | 3.05            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX100       | 70° 115°        | 2.28  | 1.25                      | 1.61       | 1.91       | 2.28     | 3.22     | 3.95     | 5.1      | 6.03     | 3.3          | 3.3             |      |      |      |      |      |      |      |               |     |      |
|                                | WTX130       | 120°            | 2.96  | 1.62                      | 2.09       | 2.48       | 2.96     | 4.19     | 5.13     | 6.62     | 7.84     | 3.56         | 3.56            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX160       | 70°             | 3.65  | 2                         | 2.58       | 3.05       | 3.65     | 5.16     | 6.32     | 8.15     | 9.65     | 3.81         | 4.06            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX180       | 120°            | 4.1   | 2.25                      | 2.9        | 3.43       | 4.1      | 5.8      | 7.1      | 9.17     | 10.9     | 4.32         | 4.06            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX200       | 70°             | 4.56  | 2.5                       | 3.22       | 3.81       | 4.56     | 6.45     | 7.89     | 10.2     | 12.1     | 4.32         | 4.83            |      |      |      |      |      |      |      |               |     |      |
| 1/4"                           | WTX12        | 80°             | 0.273 | 0.15                      | 0.193      | 0.229      | 0.273    | 0.387    | 0.474    | 0.611    | 0.724    | 1.02         | 1.27            | 33.3 | 25.4 | 20.1 | 16   | 28.4 | 20.6 | 20.1 | 16            | 85  | 21   |
|                                | WTX18        | 80°             | 0.41  | 0.225                     | 0.29       | 0.343      | 0.41     | 0.58     | 0.71     | 0.917    | 1.09     | 1.52         | 1.52            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX20        | 70° 110°        | 0.456 | 0.25                      | 0.322      | 0.381      | 0.456    | 0.645    | 0.789    | 1.02     | 1.21     | 1.52         | 1.52            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX27        | 80°             | 0.615 | 0.337                     | 0.435      | 0.515      | 0.615    | 0.87     | 1.07     | 1.38     | 1.63     | 1.78         | 2.03            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX35        | 100°            | 0.798 | 0.437                     | 0.564      | 0.667      | 0.798    | 1.13     | 1.38     | 1.78     | 2.11     | 2.03         | 2.29            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX40        | 70° 80°         | 0.912 | 0.499                     | 0.645      | 0.763      | 0.912    | 1.29     | 1.58     | 2.04     | 2.41     | 2.03         | 2.29            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX42        | 120°            | 0.957 | 0.524                     | 0.677      | 0.801      | 0.957    | 1.35     | 1.66     | 2.14     | 2.53     | 2.03         | 2.29            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX48        | 105°            | 1.09  | 0.599                     | 0.773      | 0.915      | 1.09     | 1.55     | 1.89     | 2.45     | 2.89     | 2.29         | 2.79            |      |      |      |      |      |      |      |               |     |      |

## WTX Flow Rates and Dimensions

Hollow Cone, Medium and Extra Wide Spray Angles, 1/8" to 3/4" Pipe Sizes, BSP or NPT

| Male or female<br>Pipe<br>Size | Nozzle<br>No | Spray<br>Angles | K    | Flow rates (l/min) at bar |            |            |          |          |          |          |          |              | Dimensions (mm) |      |      |      |      |      |      |      | Weight<br>(g) |     |      |
|--------------------------------|--------------|-----------------|------|---------------------------|------------|------------|----------|----------|----------|----------|----------|--------------|-----------------|------|------|------|------|------|------|------|---------------|-----|------|
|                                |              |                 |      | 0.3<br>bar                | 0.5<br>bar | 0.7<br>bar | 1<br>bar | 2<br>bar | 3<br>bar | 5<br>bar | 7<br>bar | Inlet<br>Dia | Ori<br>Dia      | A    | B    | C    | D    | E    | F    | G    | H             | Met | Plas |
| 1/4"                           | WTX53        | 80°             | 1.21 | 0.662                     | 0.854      | 1.01       | 1.21     | 1.71     | 2.09     | 2.7      | 3.2      | 2.29         | 2.79            | 33.3 | 25.4 | 20.1 | 16   | 28.4 | 20.6 | 20.1 | 16            | 85  | 21   |
|                                | WTX60        | 70°             | 1.37 | 0.749                     | 0.967      | 1.14       | 1.37     | 1.93     | 2.37     | 3.06     | 3.62     | 2.54         | 2.79            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX68        | 120°            | 1.55 | 0.849                     | 1.1        | 1.3        | 1.55     | 2.19     | 2.68     | 3.47     | 4.1      | 2.54         | 3.3             |      |      |      |      |      |      |      |               |     |      |
|                                | WTX80        | 120°            | 1.82 | 0.999                     | 1.29       | 1.53       | 1.82     | 2.58     | 3.16     | 4.08     | 4.82     | 3.3          | 3.3             |      |      |      |      |      |      |      |               |     |      |
|                                | WTX100       | 70° 115°        | 2.28 | 1.25                      | 1.61       | 1.91       | 2.28     | 3.22     | 3.95     | 5.1      | 6.03     | 3.3          | 3.56            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX130       | 120°            | 2.96 | 1.62                      | 2.09       | 2.48       | 2.96     | 4.19     | 5.13     | 6.62     | 7.84     | 3.81         | 4.06            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX150       | 120°            | 3.42 | 1.87                      | 2.42       | 2.86       | 3.42     | 4.83     | 5.92     | 7.64     | 9.04     | 4.06         | 4.32            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX160       | 70°             | 3.65 | 2                         | 2.58       | 3.05       | 3.65     | 5.16     | 6.32     | 8.15     | 9.65     | 4.06         | 4.32            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX180       | 120°            | 4.1  | 2.25                      | 2.9        | 3.43       | 4.1      | 5.8      | 7.1      | 9.17     | 10.9     | 4.57         | 4.57            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX200       | 70° 120°        | 4.56 | 2.5                       | 3.22       | 3.81       | 4.56     | 6.45     | 7.89     | 10.19    | 12.1     | 4.57         | 4.83            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX220       | 120°            | 5.01 | 2.75                      | 3.55       | 4.19       | 5.01     | 7.09     | 8.68     | 11.2     | 13.3     | 4.57         | 5.59            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX240       | 120°            | 5.47 | 3                         | 3.87       | 4.58       | 5.47     | 7.73     | 9.47     | 12.2     | 14.5     | 5.08         | 5.08            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX260       | 80°             | 5.93 | 3.25                      | 4.19       | 4.96       | 5.93     | 8.38     | 10.3     | 13.2     | 15.7     | 5.08         | 5.08            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX280       | 80°             | 6.38 | 3.49                      | 4.51       | 5.34       | 6.38     | 9.02     | 11.1     | 14.3     | 16.9     | 5.08         | 5.59            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX300       | 70° 100°        | 6.84 | 3.74                      | 4.83       | 5.72       | 6.84     | 9.67     | 11.8     | 15.3     | 18.1     | 5.08         | 5.59            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX340       | 80°             | 7.75 | 4.24                      | 5.48       | 6.48       | 7.75     | 11       | 13.4     | 17.3     | 20.5     | 5.59         | 6.1             |      |      |      |      |      |      |      |               |     |      |
|                                | WTX400       | 80°             | 9.12 | 4.99                      | 6.45       | 7.63       | 9.12     | 12.9     | 15.8     | 20.4     | 24.1     | 6.35         | 7.11            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX480       | 80°             | 10.9 | 5.99                      | 7.73       | 9.15       | 10.9     | 15.5     | 18.9     | 24.5     | 28.9     | 6.35         | 6.86            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX580       | 80°             | 13.2 | 7.24                      | 9.35       | 11.1       | 13.2     | 18.7     | 22.9     | 29.6     | 35       | 6.86         | 7.62            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX640       | 80°             | 14.6 | 7.99                      | 10.3       | 12.2       | 14.6     | 20.6     | 25.3     | 32.6     | 38.6     | 6.86         | 7.62            |      |      |      |      |      |      |      |               |     |      |
| WTX680                         | 80°          | 15.5            | 8.49 | 11                        | 13         | 15.5       | 21.9     | 26.8     | 34.7     | 41       | 6.86     | 8.64         |                 |      |      |      |      |      |      |      |               |     |      |
| WTX800                         | 80°          | 18.2            | 9.99 | 12.9                      | 15.3       | 18.2       | 25.8     | 31.6     | 40.8     | 48.2     | 6.86     | 8.64         |                 |      |      |      |      |      |      |      |               |     |      |
| 3/8"                           | WTX100       | 70°             | 2.28 | 1.25                      | 1.61       | 1.91       | 2.28     | 3.22     | 3.95     | 5.1      | 6.03     | 3.56         | 3.81            | 38.1 | 28.4 | 24.6 | 19.1 | 34   | 24.6 | 24.6 | 19.1          | 85  | 21   |
|                                | WTX130       | 120°            | 2.96 | 1.62                      | 2.09       | 2.48       | 2.96     | 4.19     | 5.13     | 6.62     | 7.84     | 3.56         | 4.57            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX150       | 120°            | 3.42 | 1.87                      | 2.42       | 2.86       | 3.42     | 4.83     | 5.92     | 7.64     | 9.04     | 4.32         | 4.57            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX160       | 70°             | 3.65 | 2                         | 2.58       | 3.05       | 3.65     | 5.16     | 6.32     | 8.15     | 9.65     | 4.32         | 4.57            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX180       | 120°            | 4.1  | 2.25                      | 2.9        | 3.43       | 4.1      | 5.8      | 7.1      | 9.17     | 10.9     | 4.32         | 4.83            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX200       | 70° 115°        | 4.56 | 2.5                       | 3.22       | 3.81       | 4.56     | 6.45     | 7.89     | 10.2     | 12.1     | 4.83         | 5.08            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX220       | 120°            | 5.01 | 2.75                      | 3.55       | 4.19       | 5.01     | 7.09     | 8.68     | 11.2     | 13.3     | 4.83         | 5.08            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX240       | 125°            | 5.47 | 3                         | 3.87       | 4.58       | 5.47     | 7.73     | 9.47     | 12.2     | 14.5     | 4.83         | 5.08            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX260       | 120°            | 5.93 | 3.25                      | 4.19       | 4.96       | 5.93     | 8.38     | 10.3     | 13.2     | 15.7     | 4.83         | 5.84            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX270       | 120°            | 6.15 | 3.37                      | 4.35       | 5.15       | 6.15     | 8.7      | 10.7     | 13.8     | 16.3     | 5.08         | 5.84            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX300       | 70° 115°        | 6.84 | 3.74                      | 4.83       | 5.72       | 6.84     | 9.67     | 11.8     | 15.3     | 18.1     | 5.08         | 5.84            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX350       | 115°            | 7.98 | 4.37                      | 5.64       | 6.67       | 7.98     | 11.3     | 13.8     | 17.8     | 21.1     | 6.1          | 6.35            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX400       | 70° 105°        | 9.12 | 4.99                      | 6.45       | 7.63       | 9.12     | 12.9     | 15.8     | 20.4     | 24.1     | 6.1          | 6.86            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX440       | 105°            | 10   | 5.49                      | 7.09       | 8.39       | 10       | 14.2     | 17.4     | 22.4     | 26.5     | 6.6          | 7.62            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX500       | 70° 105°        | 11.4 | 6.24                      | 8.06       | 9.53       | 11.4     | 16.1     | 19.7     | 25.5     | 30.1     | 6.6          | 7.11            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX560       | 105°            | 12.8 | 6.99                      | 9.02       | 10.7       | 12.8     | 18       | 22.1     | 28.5     | 33.8     | 6.6          | 7.87            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX600       | 70°             | 13.7 | 7.49                      | 9.67       | 11.4       | 13.7     | 19.3     | 23.7     | 30.6     | 36.2     | 7.87         | 7.87            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1000      | 70°             | 22.8 | 12.5                      | 16.1       | 19.1       | 22.8     | 32.2     | 39.5     | 51       | 60.3     | 8.64         | 9.65            |      |      |      |      |      |      |      |               |     |      |
| 1/2"                           | WTX500       | 70°             | 11.4 | 6.24                      | 8.06       | 9.53       | 11.4     | 16.1     | 19.7     | 25.5     | 30.1     | 7.62         | 7.62            | 47.5 | 34.8 | 31.8 | 25.4 | 46   | 33.3 | 31.8 | 25.4          | 276 | 113  |
|                                | WTX600       | 70°             | 13.7 | 7.49                      | 9.67       | 11.4       | 13.7     | 19.3     | 23.7     | 30.6     | 36.2     | 8.38         | 7.87            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX800       | 70°             | 18.2 | 9.99                      | 12.9       | 15.3       | 18.2     | 25.8     | 31.6     | 40.8     | 48.2     | 9.14         | 9.14            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1000      | 70° 110°        | 22.8 | 12.5                      | 16.1       | 19.1       | 22.8     | 32.2     | 39.5     | 51       | 60.3     | 9.14         | 11.2            |      |      |      |      |      |      |      |               |     |      |
| 3/4"                           | WTX1200      | 70°             | 27.3 | 15                        | 19.3       | 22.9       | 27.3     | 38.7     | 47.4     | 61.1     | 72.4     | 10.2         | 12.2            | 57.2 | 41.1 | 38.1 | 31.8 | 55.6 | 39.6 | 38.1 | 31.8          | 397 | 227  |
|                                | WTX800       | 70°             | 18.2 | 9.99                      | 12.9       | 15.3       | 18.2     | 25.8     | 31.6     | 40.8     | 48.2     | 9.14         | 9.65            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1000      | 70°             | 22.8 | 12.5                      | 16.1       | 19.1       | 22.8     | 32.2     | 39.5     | 51       | 60.3     | 10.2         | 11.2            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1200      | 70°             | 27.3 | 15                        | 19.3       | 22.9       | 27.3     | 38.7     | 47.4     | 61.1     | 72.4     | 11.2         | 11.2            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1400      | 80°             | 31.9 | 17.5                      | 22.6       | 26.7       | 31.9     | 45.1     | 55.3     | 71.3     | 84.4     | 11.9         | 12.2            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1600      | 80° 115°        | 36.5 | 20                        | 25.8       | 30.5       | 36.5     | 51.6     | 63.2     | 81.5     | 96.5     | 12.2         | 13              |      |      |      |      |      |      |      |               |     |      |
|                                | WTX1800      | 80°             | 41   | 22.5                      | 29         | 34.3       | 41       | 58       | 71       | 91.7     | 109      | 12.7         | 14.2            |      |      |      |      |      |      |      |               |     |      |
|                                | WTX2000      | 90°             | 45.6 | 25                        | 32.2       | 38.1       | 45.6     | 64.5     | 78.9     | 102      | 121      | 13.2         | 15              |      |      |      |      |      |      |      |               |     |      |
| WTX2200                        | 90°          | 50.1            | 27.5 | 35.5                      | 41.9       | 50.1       | 70.9     | 86.8     | 112      | 133      | 13.5     | 16           |                 |      |      |      |      |      |      |      |               |     |      |
| WTX2400                        | 90°          | 54.7            | 30   | 38.7                      | 45.8       | 54.7       | 77.3     | 94.7     | 122      | 145      | 14       | 17.5         |                 |      |      |      |      |      |      |      |               |     |      |