

METAL HOLLOW CONE TANGENTIAL NOZZLE

HOLLOW CONE SPRAY NOZZLE WITH NO INTERNAL SWIRL VANE



APPLICATION

- Air Washers
- Aeration
- Brine Spraying
- Cooling Towers
- Evaporative Cooling in spray ponds and cooling towers
- Product Degreasing

FEATURES

- Hollow cone spray pattern right angled spray
- Uniformed spray distribution
- Atomisation is finer at higher pressures
- Large unobstructed flow passages minimise clogging
- Small to medium sized droplets

DESCRIPTION

The metal hollow cone tangential nozzle produces a hollow cone spray pattern with a ring shaped impact that sprays at 90 degrees to the inlet, so this gives a right angled spray. The nozzle is a two piece design with no internal parts hence this nozzle has no tendency to block or clog. The internal nozzle chamber is designed with a evenly tapered bottom to prevent erosion from liquids. The nozzle has a square body for easy installation. Male and female threaded connections available.

MATERIALS AVAILABLE

- Brass
- Stainless steel
- Other materials available on request

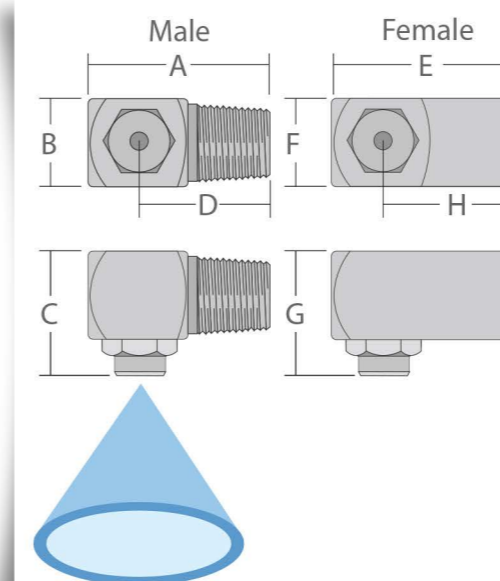
SPRAY ANGLES AVAILABLE

70° and 110°

ORDERING EXAMPLE

Metal Hollow Cone Tangential Nozzle Brass 1/4 10°-70°

| Nozzle Reference | Thread Connection | | | | | | Approx Orifice Dia (mm) | Flow (L/Min @ Bar) | | | | | | | |
|------------------|-------------------|------|------|------|------|----|-------------------------|--------------------|-------|--------|--------|--------|--------|--------|--------|
| | 1/8" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | | 0.5 | 1 | 2 | 3 | 4 | 5 | 7 | 10 |
| 2 | ✓ | ✓ | | | | | 1.7 | 0.33 | 0.46 | 0.65 | 0.80 | 0.92 | 1.03 | 1.22 | 1.46 |
| 4 | ✓ | ✓ | | | | | 2.5 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 |
| 6 | ✓ | ✓ | | | | | 2.5 | 0.98 | 1.39 | 1.96 | 2.40 | 2.77 | 3.10 | 3.67 | 4.38 |
| 10 | ✓ | ✓ | | | | | 3.4 | 1.63 | 2.31 | 3.27 | 4.00 | 4.62 | 5.16 | 6.11 | 7.30 |
| 15 | ✓ | ✓ | ✓ | | | | 5.6 | 2.45 | 3.46 | 4.90 | 6.00 | 6.93 | 7.75 | 9.17 | 10.95 |
| 20 | | | ✓ | | | | 6.4 | 3.27 | 4.62 | 6.53 | 8.00 | 9.24 | 10.33 | 12.22 | 14.61 |
| 25 | | | ✓ | | | | 6.9 | 4.08 | 5.77 | 8.16 | 10.00 | 11.55 | 12.91 | 15.28 | 18.26 |
| 30 | | | ✓ | ✓ | | | 7.5 | 4.90 | 6.93 | 9.80 | 12.00 | 13.86 | 15.49 | 18.33 | 21.91 |
| 40 | | | ✓ | ✓ | | | 7.5 | 6.53 | 9.24 | 13.06 | 16.00 | 18.48 | 20.66 | 24.44 | 29.21 |
| 50 | | | | ✓ | | | 7.5 | 8.16 | 11.55 | 16.33 | 20.00 | 23.09 | 25.82 | 30.55 | 36.51 |
| 80 | | | | ✓ | | | 9.9 | 13.06 | 18.48 | 26.13 | 32.00 | 36.95 | 41.31 | 48.88 | 58.42 |
| 100 | | | | ✓ | ✓ | | 11.1 | 16.33 | 23.09 | 32.66 | 40.00 | 46.19 | 51.64 | 61.10 | 73.03 |
| 150 | | | | | ✓ | ✓ | 14.3 | 24.49 | 34.64 | 48.99 | 60.00 | 69.28 | 77.46 | 91.65 | 109.54 |
| 200 | | | | | ✓ | ✓ | 18.0 | 32.66 | 46.19 | 65.32 | 80.00 | 92.38 | 103.28 | 122.20 | 146.06 |
| 250 | | | | | | ✓ | 19.5 | 40.82 | 57.74 | 81.65 | 100.00 | 115.47 | 129.10 | 152.75 | 182.57 |
| 300 | | | | | | ✓ | 21.1 | 48.99 | 69.28 | 97.98 | 120.00 | 138.56 | 154.92 | 183.30 | 219.09 |
| 350 | | | | | | ✓ | 24.0 | 57.15 | 80.23 | 114.31 | 140.00 | 161.66 | 180.74 | 213.85 | 255.60 |



DIMENSIONS

| Pipe Size BSP | Male (mm) | | | | Female (mm) | | | |
|---------------|-----------|------|------|------|-------------|------|------|------|
| | A | B | C | D | E | F | G | H |
| 1/8" | 27.0 | 16.0 | 19.0 | 22.5 | 27.0 | 16.0 | 19.0 | 22.5 |
| 1/4" | 28.0 | 16.0 | 19.0 | 20.0 | 28.0 | 16.0 | 19.0 | 20.0 |
| 3/8" | 35.0 | 20.0 | 25.0 | 25.0 | 35.0 | 20.0 | 25.0 | 25.0 |
| 1/2" | 45.0 | 25.0 | 31.0 | 32.0 | 45.0 | 25.0 | 31.0 | 32.0 |
| 3/4" | 50.0 | 30.0 | 38.0 | 35.0 | 50.0 | 30.0 | 38.0 | 35.0 |
| 1" | 69.0 | 40.0 | 48.0 | 50.0 | 69.0 | 50.0 | 48.0 | 50.0 |