

TYPE.KAC

V JET (FLAT) SPRAY NOZZLE

Data Sheet 11111501 Rev.01

SPRAY CHARACTERISTICS

Uniform flat spray pattern without hard edges
Tapered fan to allow for even distribution when overlapped
Increased impact with smaller spray angles

NOZZLE PROPERTIES

One piece body with hexagon profile
Available in a range of BSPT thread sizes
Standard material availability of Brass, 303 and 316 Stainless Steel
Available spray angles of; 0°, 15°, 25°, 40°, 50°, 65°, 80°, 90°, 100° and 110°

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Capacity Chart

| NOZZLE NUMBER | THREAD SIZE | ORIFICE DIA (mm) | FLOW RATE IN LITRES/MIN AT Bar.G | | | | | | | |
|---------------|-------------|------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | | | 0.7 | 1 | 2 | 3 | 4 | 5 | 7 | 10 |
| 2 | 1/8" 1/4" | 0.9 | 0.38 | 0.46 | 0.65 | 0.80 | 0.89 | 0.99 | 1.24 | 1.43 |
| 3 | 1/8" 1/4" | 1.10 | 0.57 | 0.68 | 0.97 | 1.18 | 1.36 | 1.53 | 1.81 | 2.23 |
| 4 | 1/8" 1/4" | 1.25 | 0.75 | 0.90 | 1.27 | 1.56 | 1.83 | 2.03 | 2.38 | 2.86 |
| 4.5 | 1/8" 1/4" | 1.3 | 0.85 | 1.01 | 1.43 | 1.75 | 2.05 | 2.29 | 2.70 | 3.21 |
| 5 | 1/8" 1/4" | 1.4 | 0.96 | 1.15 | 1.62 | 1.99 | 2.28 | 2.55 | 3.02 | 3.62 |
| 6 | 1/8" 1/4" | 1.5 | 1.15 | 1.37 | 1.94 | 2.37 | 2.72 | 3.07 | 3.61 | 4.46 |
| 7 | 1/8" 1/4" | 1.65 | 1.33 | 1.59 | 2.25 | 2.75 | 3.21 | 3.54 | 4.21 | 5.36 |
| 8 | 1/8" 1/4" | 1.75 | 1.53 | 1.83 | 2.59 | 3.17 | 3.66 | 3.98 | 5.03 | 5.80 |
| 9 | 1/8" 1/4" | 1.9 | 1.72 | 2.05 | 2.90 | 3.55 | 4.11 | 4.75 | 5.50 | 6.25 |
| 10 | 1/8" 1/4" | 2.0 | 1.90 | 2.27 | 3.21 | 3.93 | 4.46 | 5.19 | 5.95 | 7.14 |
| 12.5 | 1/8" 1/4" | 2.2 | 2.40 | 2.90 | 4.02 | 4.97 | 5.69 | 6.38 | 7.55 | 9.04 |
| 15 | 1/8" 1/4" | 2.4 | 2.84 | 3.44 | 4.21 | 6.16 | 6.70 | 7.78 | 9.15 | 10.71 |
| 20 | 1/8" 1/4" | 2.8 | 3.80 | 4.46 | 6.25 | 8.05 | 9.37 | 9.94 | 12.35 | 14.73 |
| 25 | 1/4" | 3.1 | 4.80 | 5.80 | 8.03 | 9.94 | 11.38 | 12.75 | 15.09 | 18.08 |
| 30 | 1/4" 3/8" | 3.6 | 5.95 | 6.70 | 9.82 | 11.84 | 13.84 | 15.13 | 17.84 | 21.43 |
| 40 | 1/4" 3/8" | 4.0 | 7.78 | 9.37 | 12.05 | 15.62 | 18.30 | 20.57 | 24.25 | 28.57 |
| 50 | 1/4" 3/8" | 4.4 | 9.61 | 11.61 | 16.07 | 19.89 | 22.77 | 25.50 | 30.19 | 36.16 |
| 60 | 1/4" 3/8" | 4.8 | 11.44 | 13.84 | 19.20 | 23.67 | 27.23 | 30.69 | 36.14 | 43.30 |
| 70 | 1/4" 3/8" | 5.2 | 13.27 | 16.07 | 22.77 | 27.46 | 32.14 | 35.88 | 42.54 | 50.45 |
| 80 | 3/8" 1/2" | 5.6 | 15.10 | 18.75 | 25.45 | 31.72 | 36.61 | 41.06 | 48.03 | 57.14 |
| 100 | 1/2" 3/4" | 6.4 | 19.21 | 22.77 | 31.70 | 39.30 | 45.53 | 51.00 | 60.38 | 72.32 |
| 150 | 1/2" 3/4" | 7.5 | 28.82 | 34.37 | 48.21 | 59.19 | 68.31 | 76.50 | 90.10 | 108.0 |
| 200 | 1/2" 3/4" | 8.8 | 37.96 | 45.53 | 64.28 | 79.07 | 91.10 | 102.0 | 120.3 | 143.8 |

Dimensions and Weights

| DIMENSIONS (mm) | | | | WEIGHT (g) |
|-----------------|-------|------|------|------------|
| THREAD | A Hex | B | C | |
| 1/8" | 11.3 | 17.5 | 9.6 | 10 |
| 1/4" | 15.3 | 24.5 | 13.0 | 24 |
| 3/8" | 18.0 | 25.5 | 14.0 | 35 |
| 1/2" | 25.6 | 32.0 | 16.1 | 70 |
| 3/4" | 28.0 | 36.0 | 19.0 | 100 |
| 1" | 38.0 | 50.0 | 28.5 | 240 |

