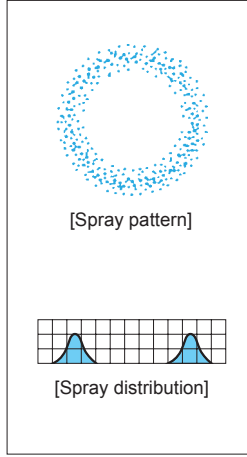


Semi-fine Atomization and Low Flow Rate Hollow Cone Spray Nozzles



Hollow Cone



- Low flow rate hollow cone spray nozzle.
- Semi-fine atomization.
- The whirl chamber is formed by a ceramic orifice and closer, which provides excellent wear-resistance.

[STANDARD PRESSURE]

0.3 MPa

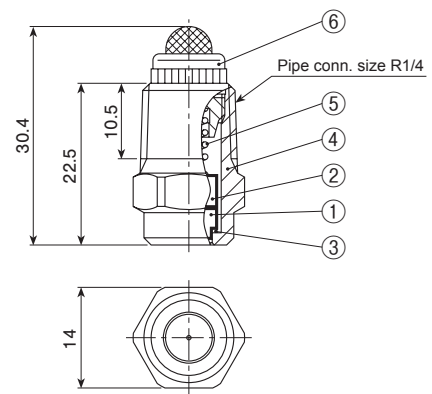
[APPLICATIONS]

- Humidifying: Air handling units
- Cooling: Gas, metals
- Spraying: Chemicals

| | |
|-----------|---|
| Structure | <ul style="list-style-type: none"> • Nozzle orifice and closer are made of ceramic. • All models include a built-in strainer. |
| Material | <ul style="list-style-type: none"> • Nozzle orifice and closer: ceramic • Nozzle body: S303 <p>SPECIAL ORDER MATERIAL: S316</p> |
| Weight | • 17.5g |

[Note] Appearance and dimensions may differ slightly depending on material and nozzle code.

DRAWING



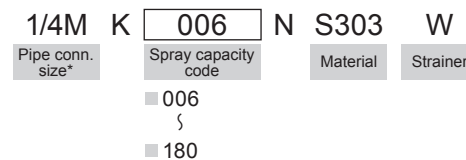
- ① Ceramic orifice ② Ceramic closer ③ Packing (PTFE)
- ④ Nozzle body ⑤ Spring (S316)
- ⑥ Strainer (S303+S304 for mesh size #50 and #100, S303+S304+S316 for mesh size #150)

| Spray capacity code | Spray angle (°) | | | Spray capacity (L/min) | | | | | | | | | Mean droplet diameter (μm) | Free passage diameter (mm) | Strainer mesh size | | | |
|---------------------|-----------------|---------|---------|------------------------|---------|---------|---------|---------|-------|---------|-------|---------|----------------------------|----------------------------|--------------------|-----|-----|-----|
| | 0.15 MPa | 0.3 MPa | 0.7 MPa | 0.15 MPa | 0.2 MPa | 0.3 MPa | 0.5 MPa | 0.7 MPa | 1 MPa | 1.5 MPa | 2 MPa | 2.5 MPa | | | | | | |
| 006 | — | 80 | 80 | — | — | 0.06 | 0.08 | 0.09 | 0.11 | 0.13 | 0.15 | 0.16 | 80 | 0.4 | 150 | | | |
| 008 | — | 80 | 80 | — | — | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.20 | 0.22 | | | | 0.4 | 150 | |
| 010 | — | 80 | 80 | — | — | 0.10 | 0.13 | 0.15 | 0.18 | 0.22 | 0.25 | 0.27 | | | | | | 0.5 |
| 012 | — | 80 | 80 | — | — | 0.12 | 0.15 | 0.18 | 0.21 | 0.26 | 0.30 | 0.33 | 0.5 | 100 | | | | |
| 015 | — | 80 | 80 | — | 0.12 | 0.15 | 0.19 | 0.22 | 0.27 | 0.32 | 0.37 | 0.41 | | | 0.6 | 100 | | |
| 020 | 70 | 80 | 80 | 0.14 | 0.16 | 0.20 | 0.26 | 0.30 | 0.35 | 0.43 | 0.49 | 0.55 | | | | | } | 0.7 |
| 025 | 70 | 80 | 80 | 0.18 | 0.21 | 0.25 | 0.32 | 0.37 | 0.44 | 0.54 | 0.62 | 0.69 | } | 0.7 | | | | |
| 030 | 70 | 80 | 80 | 0.22 | 0.25 | 0.30 | 0.38 | 0.45 | 0.53 | 0.65 | 0.74 | 0.82 | | | } | 0.9 | | |
| 040 | 70 | 80 | 80 | 0.29 | 0.33 | 0.40 | 0.51 | 0.60 | 0.71 | 0.86 | 0.99 | 1.10 | | | | | } | 0.9 |
| 050 | 70 | 80 | 80 | 0.36 | 0.41 | 0.50 | 0.64 | 0.75 | 0.89 | 1.08 | 1.23 | 1.37 | 200 | 1.0 | | | | |
| 060 | 70 | 80 | 80 | 0.43 | 0.49 | 0.60 | 0.77 | 0.90 | 1.06 | 1.29 | 1.48 | 1.65 | | | 220 | 1.0 | | |
| 070 | 70 | 80 | 80 | 0.50 | 0.58 | 0.70 | 0.89 | 1.05 | 1.24 | 1.51 | 1.73 | 1.92 | | | | | } | 1.0 |
| 080 | 70 | 80 | 80 | 0.58 | 0.66 | 0.80 | 1.02 | 1.20 | 1.42 | 1.72 | 1.97 | 2.20 | } | 1.2 | | | | |
| 100 | 70 | 80 | 80 | 0.72 | 0.82 | 1.00 | 1.28 | 1.50 | 1.77 | 2.15 | 2.47 | 2.74 | | | } | 1.3 | | |
| 120 | 70 | 80 | 80 | 0.86 | 0.99 | 1.20 | 1.53 | 1.80 | 2.13 | 2.58 | 2.96 | 3.29 | | | | | } | 1.3 |
| 140 | 70 | 80 | 80 | 1.01 | 1.15 | 1.40 | 1.79 | 2.10 | 2.48 | 3.01 | 3.46 | 3.84 | } | 1.5 | | | | |
| 160 | 70 | 80 | 80 | 1.15 | 1.32 | 1.60 | 2.04 | 2.40 | 2.84 | 3.44 | 3.95 | 4.39 | | | } | 1.5 | | |
| 180 | 70 | 80 | 80 | 1.29 | 1.48 | 1.80 | 2.30 | 2.69 | 3.19 | 3.87 | 4.44 | 4.94 | | | | | 380 | 1.7 |

HOW TO ORDER

To inquire about or order a specific nozzle please refer to this coding system.

Example: 1/4M K 006N S303 W



**M" indicates male thread ("R" of the ISO standard), e.g. 1/4M = R1/4.