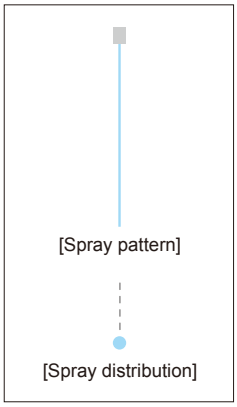
# Convex Round Inlet Solid Stream Jet

**CCRP**
**CRP**




- High impact solid stream nozzle.
- The cone shaped inlet penetrates further into the supply pipe than regular nozzles. This prevents floating particles from flowing into the nozzle, thereby reducing clogging.
- The CRP series features high-purity alumina ceramic orifice providing stable performance with longer life.

**[STANDARD PRESSURE]**
2.0 MPa

**[APPLICATIONS]**
Cleaning: Wire and felt parts of paper making machines, machinery, parts, vehicles, returnable containers, bottles

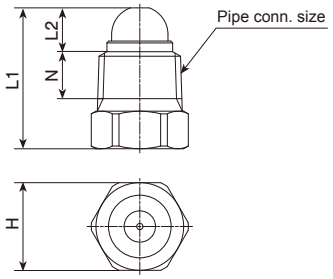
## CCRP SERIES (all metal)

| | |
|---|---|
| Structure | • Metal one-piece structure. |
| Material | • S303 |

| Pipe conn. size | Dimensions (mm) | | | | Weight (g) |
|---|---|---|---|---|---|
| | L1 | L2 | H | N | |
| R1/8 | 18.5 | 5.5 | 12 | 6 | 8.5 |
| R1/4 | 22.5 | 7 | 14 | 7.5 | 17 |

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

DRAWING



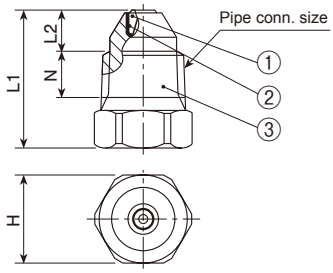

## CRP SERIES (with ceramic orifice)

| | |
|---|---|
| Structure | • One-piece structure with a high-purity ceramic orifice insert. |
| Material | • Nozzle orifice: alumina ceramic<br>• Nozzle body: S303 |

| Pipe conn. size | Dimensions (mm) | | | | Weight (g) |
|---|---|---|---|---|---|
| | L1 | L2 | H | N | |
| R1/8 | 18 | 5 | 12 | 6 | 7 |
| R1/4 | 22 | 6.5 | 14 | 7.5 | 15 |

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

DRAWING




①Ceramic orifice ②Adhesive: Araldite® ③Nozzle body

| Orifice diameter code | Pipe connection size | | | | Spray capacity (L/min) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | CCRP | | CRP | | | | | | | |
| | R1/8 | R1/4 | R1/8 | R1/4 | 0.3 MPa | 0.5 MPa | 0.7 MPa | 1 MPa | 2 MPa | 3 MPa |
| ø0.5 | ○ | ○ | ○ | ○ | 0.20 | 0.26 | 0.31 | 0.37 | 0.52 | 0.63 |
| ø0.6 | ○ | ○ | ○ | ○ | 0.29 | 0.37 | 0.44 | 0.53 | 0.74 | 0.91 |
| ø0.7 | ○ | ○ | ○ | ○ | 0.39 | 0.51 | 0.60 | 0.72 | 1.01 | 1.24 |
| ø0.8 | ○ | ○ | ○ | ○ | 0.51 | 0.66 | 0.78 | 0.94 | 1.32 | 1.62 |
| ø0.9 | ○ | ○ | ○ | ○ | 0.65 | 0.84 | 0.99 | 1.18 | 1.67 | 2.05 |
| ø1.0 | ○ | ○ | ○ | ○ | 0.80 | 1.03 | 1.22 | 1.46 | 2.07 | 2.53 |
| ø1.1 | ○ | ○ | ○ | ○ | 0.97 | 1.25 | 1.48 | 1.77 | 2.50 | 3.06 |
| ø1.2 | ○ | ○ | ○ | ○ | 1.15 | 1.49 | 1.76 | 2.10 | 2.98 | 3.64 |
| ø1.3 | ○ | ○ | ○ | ○ | 1.35 | 1.75 | 2.07 | 2.47 | 3.49 | 4.28 |
| ø1.4 | ○ | ○ | ○ | ○ | 1.57 | 2.02 | 2.40 | 2.86 | 4.05 | 4.96 |
| ø1.5 | ○ | ○ | ○ | ○ | 1.80 | 2.32 | 2.75 | 3.29 | 4.65 | 5.69 |
| ø1.7 | ○ | ○ | ○ | ○ | 2.31 | 2.99 | 3.53 | 4.22 | 5.97 | 7.31 |
| ø2.0 | ○ | ○ | ○ | ○ | 3.20 | 4.13 | 4.89 | 5.84 | 8.26 | 10.1 |

[Note] The above nozzles are manufactured for specific orifice diameters, therefore the spray capacity is not guaranteed.

## HOW TO ORDER

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

Example: 1/8M CRP ø0.6 AL99-S303

| 1/8M | CRP | ø0.6 | AL99-S303 |
|---|---|---|---|
| Pipe conn. size* | Series | Orifice diameter code | Material |
| 1/8M<br>1/4M | CRP<br>CCRP | ø0.5<br>⟆<br>ø2.0 | AL99-S303: CRP series<br>S303: CCRP series |

*"M" indicates male thread ("R" of the ISO standard), e.g. 1/8M = R1/8.