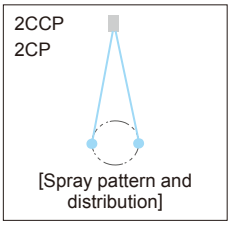
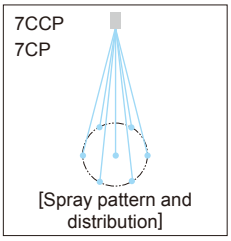
Multi-Orifice Solid Stream Jet

Made-to-Order

2CCP·7CCP/2CP·7CP





- Multiple solid streams with high impact force.
- 2-orifice and 7-orifice nozzles are available.
- Compact design.

[STANDARD PRESSURE]
1.0 MPa

[APPLICATIONS]
Cleaning: Wire and felt parts of paper making machines, dandy rolls, machine parts, bottles, vehicles, returnable containers

2CCP, 7CCP SERIES (all metal)

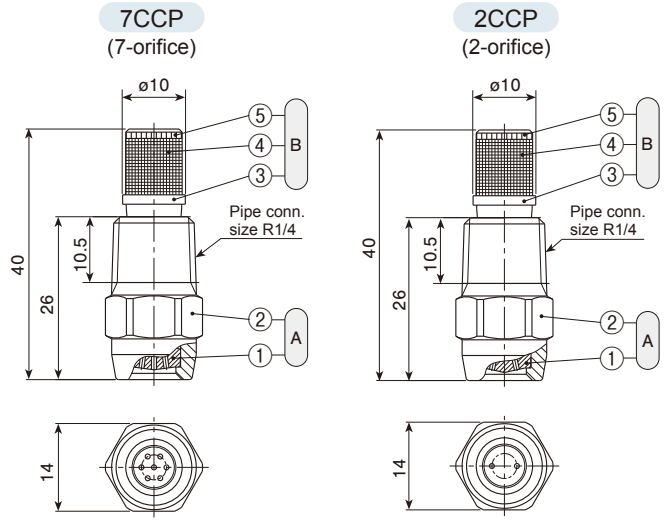
Structure	• Metal one-piece structure. Some models are available with strainer.
Material	• S303 SPECIAL ORDER MATERIAL: S420J2 (nozzle orifice only)
Weight*1	• 16 g

*1) With strainer, add 2 g to the above weight.

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

DRAWING

Unit: mm



Ⓐ **Nozzle** (①Nozzle orifice ②Nozzle body)
Ⓑ **Strainer** (③Strainer holder ④Strainer screen ⑤Strainer cap)

2CP, 7CP SERIES (with ceramic orifice)

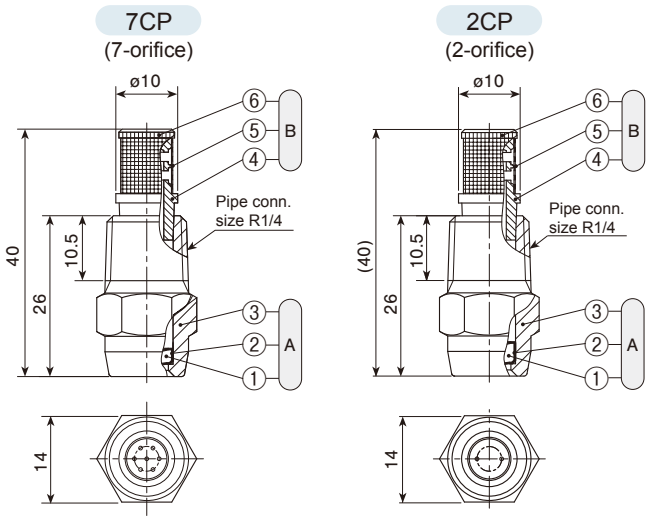
Structure	• One-piece structure with a ceramic orifice insert. Almost all models are available with strainer.
Material	• Nozzle orifice: ceramic • Metal parts: S303
Weight*2	• 17 g

*2) With strainer, add 5 g to the above weight.

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

DRAWING

Unit: mm



Ⓐ **Nozzle** (①Ceramic orifice ②Adhesive: Araldite® H ③Nozzle body)
Ⓑ **Strainer** (④Strainer holder ⑤Strainer screen ⑥Strainer cap)

■2CCP/2CP Series (two-orifice nozzles)

Spreading angle code	Spray capacity code	2CCP (metal)	2CP (with ceramic orifice)	Spreading angle*3 (°) 0.5 MPa	1 MPa	2 MPa	Spray capacity (L/min) 0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	1.5 MPa	2 MPa	3 MPa	Free passage diameter (mm)	Strainer mesh size
25	09		●	25	25	25	0.47	0.61	0.72	0.86	1.05	1.22	1.49	0.5	100
	12		●	25	25	25	0.68	0.88	1.04	1.24	1.52	1.75	2.15	0.6	100
	17	●	●	25	25	25	0.92	1.19	1.41	1.68	2.06	2.38	2.91	0.7	50
	22	●	●	25	25	25	1.19	1.54	1.82	2.18	2.67	3.08	3.78	0.8	50
	34	○	○	25	25	25	1.87	2.42	2.86	3.42	4.19	4.84	5.92	1.0	–
15	09		●	15	15	15	0.47	0.61	0.72	0.86	1.05	1.22	1.49	0.5	100
	12		●	15	15	15	0.68	0.88	1.04	1.24	1.52	1.75	2.15	0.6	100
	17	●	●	15	15	15	0.92	1.19	1.41	1.68	2.06	2.38	2.91	0.7	50
	22	●	●	15	15	15	1.19	1.54	1.82	2.18	2.67	3.08	3.78	0.8	50
	34	○	○	15	15	15	1.87	2.42	2.86	3.42	4.19	4.84	5.92	1.0	–
10	09		●	10	10	10	0.47	0.61	0.72	0.86	1.05	1.22	1.49	0.5	100
	12		●	10	10	10	0.68	0.88	1.04	1.24	1.52	1.75	2.15	0.6	100
	17	●	●	10	10	10	0.92	1.19	1.41	1.68	2.06	2.38	2.91	0.7	50
	22	●	●	10	10	10	1.19	1.54	1.82	2.18	2.67	3.08	3.78	0.8	50
	34	○	○	10	10	10	1.87	2.42	2.86	3.42	4.19	4.84	5.92	1.0	–

●: Available with or without strainer ○: Only available without strainer

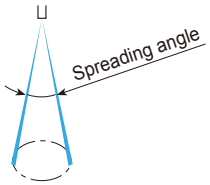
■7CCP/7CP Series (seven-orifice nozzles)

Spreading angle code	Spray capacity code	7CCP (metal)	7CP (with ceramic orifice)	Spreading angle*3 (°) 0.5 MPa	1 MPa	2 MPa	Spray capacity (L/min) 0.3 MPa	0.5 MPa	0.7 MPa	1 MPa	1.5 MPa	2 MPa	3 MPa	Free passage diameter (mm)	Strainer mesh size
15	30		●	15	15	15	1.65	2.13	2.52	3.01	3.69	4.26	5.21	0.5	100
	43		●	15	15	15	2.38	3.07	3.63	4.34	5.32	6.14	7.52	0.6	100
	59	●	●	15	15	15	3.22	4.16	4.92	5.88	7.20	8.32	10.2	0.7	50
	76	●	●	15	15	15	4.18	5.40	6.38	7.63	9.34	10.8	13.2	0.8	50
	119	○	○	15	15	15	6.52	8.41	9.96	11.9	14.6	16.8	20.6	1.0	–

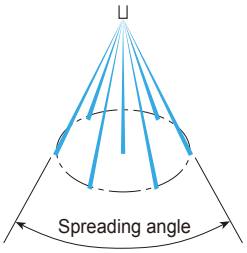
●: Available with or without strainer ○: Only available without strainer

*3) The spreading angle is the angle between the solid streams. For a seven-orifice nozzle it is the angle between the two streams directly opposite to each other and the furthest apart.

2CCP/2CP



7CCP/7CP



HOW TO ORDER

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

Two-Orifice Nozzles

Example: 1/4M 2CP 2517 S303W

1/4M	2CP	25	17	S303	W
Pipe conn. size*4	Series	Spreading angle code	Spray capacity code	Material	Strainer
	☐ 2CCP ☐ 2CP	☐ 25 ☐ 15 ☐ 10	☐ 09 ☐ ⟆ ☐ 34		☐ W (with strainer) ☐ (Blank indicates "without strainer")

Seven-Orifice Nozzles

Example: 1/4M 7CP 1559 S303W

1/4M	7CP	15	59	S303	W
Pipe conn. size*4	Series		Spray capacity code	Material	Strainer
	☐ 7CCP ☐ 7CP		☐ 30 ☐ ⟆ ☐ 119		☐ W (with strainer) ☐ (Blank indicates "without strainer")

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

These nozzle series are made-to-order.