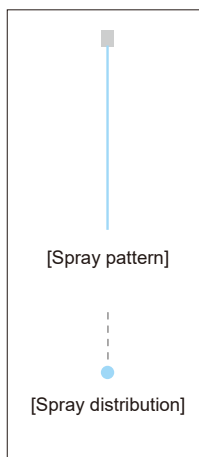


High-Frequency Pulse Spraying Solenoid-controlled Solid Stream Jet

Made-to-Order

SD-CC

- Controls the spray ON/OFF with electrical signal ON/OFF. Intermittent spray with min. 0.05 sec/shot and as little as 0.05 cc/shot is possible.
- Ideal for applying a small amount of coating or marking with minimal splatter, saving liquid used.
- Nozzle tips can be replaced with a different orifice diameter code to adjust the spray flow rate.

[STANDARD PRESSURE]

0.3 MPa

[APPLICATIONS]

- Coating: Water, oil, lubricant, insecticide, herbicide, aqueous solution
- Moisture control: Paper, food
- Cooling: glass plate
- Suited for minimizing liquid splatter

SD-CC SERIES

Structure	• Includes a nozzle tip, cap, and adaptor-solenoid section. Worn-out nozzle tips can be replaced separately.
Material	• Nozzle tip: S303 • Cap: S304 • Solenoid section: Various materials
Weight	• Complete assembly: 220 g • Nozzle tip: 13 g

Max. temperature: 60°C
Protection Structure IP67

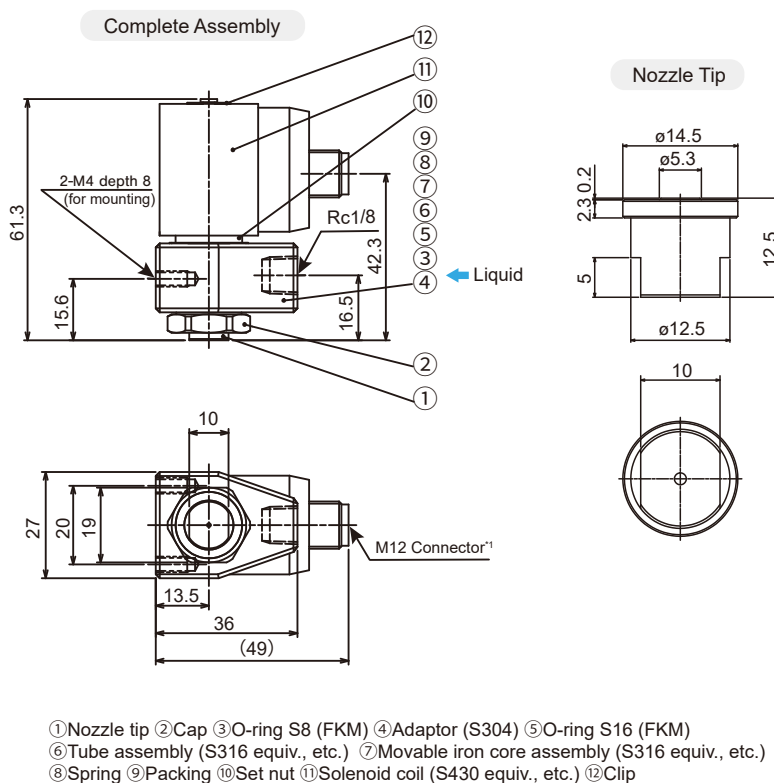
The materials used in the parts that come into contact with liquids comply with the Food Sanitation Law in Japan.

[Note]

- Appearance and dimensions may differ slightly depending on material and nozzle code.
- In our material code, "S" indicates "stainless steel".

DRAWING

Unit: mm



*1) Cable for M12 connector not included. Please use SMC Corporation's "JSX022-30-1-length" cable (length: 1m, 2m, or 5m).

Solenoid Specifications**Valve**

Valve structure	Direct acting poppet
Orifice diameter	ø1.6 mm
Pressure resistance	2.0 MPa
Max. operating pressure difference	0.9 MPa
Ambient temperature	-20~60°C
Operating fluid temperature (water)	1~60°C
Operating fluid temperature (oil)	-5~60°C (w/ dynamic viscosity of 50mm ² /s or less)
Materials	Body: Stainless steel, Seal: FKM
Protection structure	IP67

Coil

Rated voltage	24 VDC
Allowable voltage fluctuation	±10% of rated voltage
Allowable leakage voltage	Less than 2% of rated voltage
Electrical circuit	N.C.
Temperature rise value	65°C
Power consumption	4W

Orifice diameter code	Spray capacity (L/min) ^{*2}							
	0.05 MPa	0.1 MPa	0.15 MPa	0.2 MPa	0.3 MPa	0.5 MPa	0.7 MPa	0.9 MPa
ø0.3	0.04	0.05	0.06	0.07	0.09	0.12	0.14	0.16
ø0.4	0.07	0.10	0.12	0.14	0.17	0.22	0.26	0.29
ø0.5	0.11	0.16	0.19	0.22	0.27	0.35	0.41	0.47
ø0.6	0.16	0.22	0.27	0.31	0.38	0.49	0.58	0.66
ø0.7	0.21	0.29	0.36	0.42	0.51	0.66	0.78	0.88
ø0.8	0.27	0.38	0.47	0.54	0.66	0.85	1.01	1.14
ø0.9	0.33	0.47	0.58	0.67	0.82	1.06	1.25	1.42
ø1.0	0.41	0.58	0.71	0.82	1.00	1.29	1.53	1.73

*2) These values are for continuous spraying.

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

Operation Time Chart

The electrical signal ON/OFF controls the spraying.

Electrical signal	OFF	ON	OFF	ON	OFF
Liquid	Stop	Spray	Stop	Spray	Stop

This nozzle series is made-to-order.

HOW TO ORDER

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

① Complete Assembly

Example: CC ø0.3 S303 + SD S304

CC	ø0.3	S303 + SD S304
Series	Orifice diameter code	Nozzle tip material
	ø0.3 ⋏ ø1.0	

② Nozzle Tip Only

Example: 1/4 CC ø0.3 -SD S303

1/4	CC	ø0.3	-SD S303
	Series	Orifice diameter code	Material
		ø0.3 ⋏ ø1.0	

Please feel free to send any inquiry, request for information or quote regarding this product to the contact below.



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<https://www.kirinoikeuchi.co.jp/eng/contact/>