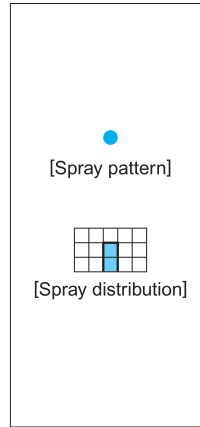
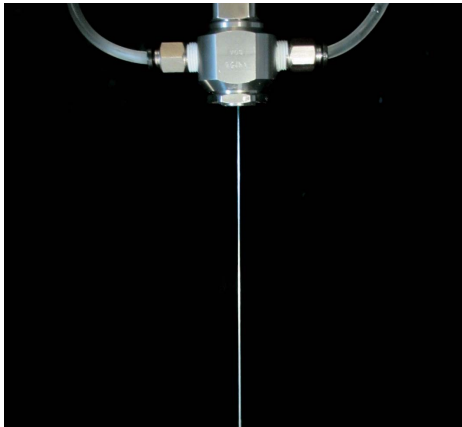


# Solid Stream Jet with ON/OFF Control

# SO-CM



### [Features]

- Solid stream nozzles with high spray impact.
- Prevents dripping after spraying stops.
- Quick response ON/OFF spray.
- Spray ON/OFF can be regulated by pilot air ON/OFF.

### [Standard Pressure]

0,3 MPa

### [Applications]

Trimming: Paper making, asbestos plate  
 Cutting: Timber, food  
 Others: Marking, cleaning of precision machine parts, injection of chemicals, deburring

Solid Stream

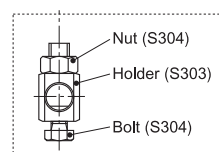
## SO-CM series

SO-CM series	
Structure	<ul style="list-style-type: none"> <li>• Spray ON/OFF can be regulated by switching the pilot air ON/OFF. The pilot air activates an internal piston to regulate the spray.</li> </ul>
Material	<ul style="list-style-type: none"> <li>• Spray orifice: ceramic</li> <li>• Metal parts: S303</li> </ul>
Mass	<ul style="list-style-type: none"> <li>• 150 g</li> </ul>

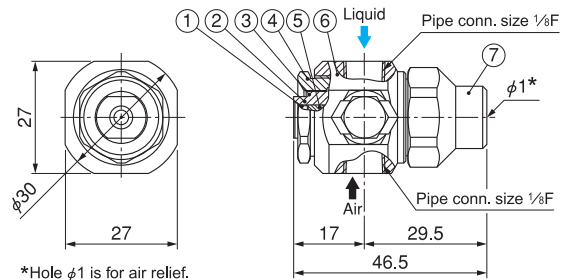
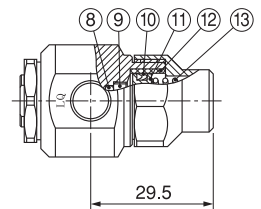
[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.

### Mounting adaptor (Optional)

A mounting adaptor is available for fixing SO-CM series nozzle onto a pole to spray in the desired direction. Please specify "(with  $\phi 10$  mounting adaptor)" at the end of the product code to order.



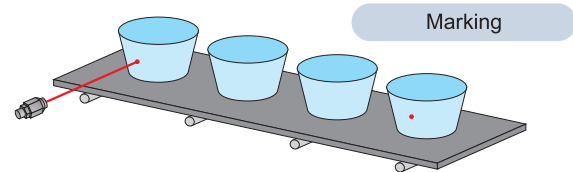
Components framed by dotted line are mounting adaptor (option).



- ①Ceramic orifice ②Adhesive: Araldite® ③Tip retainer ④Cap  
 ⑤Packing (PTFE) ⑥Adaptor ⑦Spring cap ⑧O-ring (FKM) ⑨Lock nut  
 ⑩Y-packing (NBR) ⑪Piston ⑫Sleeve (UHMWPE) ⑬Spring (S304)

Orifice Diameter Code	Spray Capacity (ℓ/min)	
	0.3 MPa	0.5 MPa
$\phi 0.3$	0.08	0.10
$\phi 0.4$	0.14	0.17
$\phi 0.5$	0.20	0.25
$\phi 0.6$	0.29	0.36
$\phi 0.7$	0.39	0.49
$\phi 0.8$	0.51	0.65
$\phi 0.9$	0.61	0.78
$\phi 1.0$	0.75	0.97

[Note] SO-CM series nozzles are manufactured for specific orifice diameters, therefore spray capacity is not guaranteed.



### Operation time chart

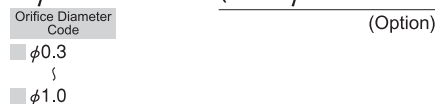
Liquid	Stop	Spray	Stop	Spray	Stop
Pilot air	OFF	ON	OFF	ON	OFF

### How to order

Please inquire or order for a specific nozzle using this coding system.

<Example> ...1/8SO-CM $\phi 0.3$ S303 (with  $\phi 10$  mounting adaptor)

1/8 SO-CM  $\phi 0.3$  S303 (with  $\phi 10$  mounting adaptor)



### ALSO AVAILABLE!

Flat Spray Nozzles with ON/OFF Control

## SO-V series

See p.41 of this catalog.

### CAUTIONS

- Supply liquid pressure at 0.5 MPa or less.
- Supply pilot air pressure at between 0.2 and 0.5 MPa.
- Pilot air ON/OFF regulates spray ON/OFF.
- Recommend use with a 3-way solenoid valve to purge the air inside/between the solenoid valve and SO-CM series nozzle at OFF time, for better shut-off and preventing dripping.