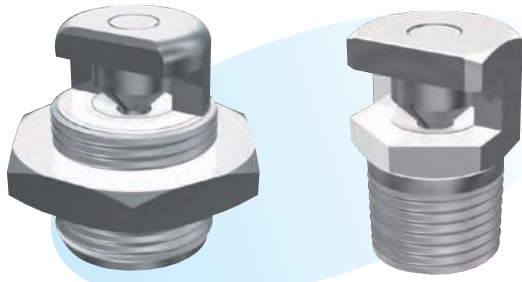


# Self-cleaning Nozzles



## ► Features

- Even if the nozzle orifice is blocked with foreign matter, the orifice can open wider by the reduction in spray pressure to 0.03 MPa, hence blockages can be removed without detaching the nozzle.

## ► Applications

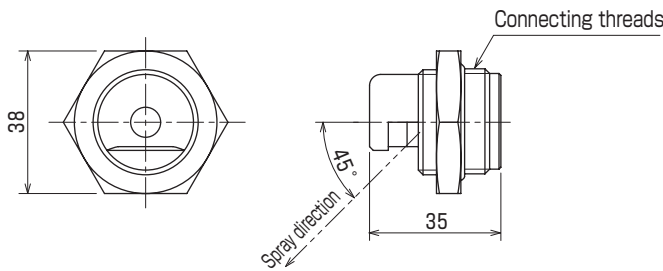
- High-pressure washing of wires and felts.
- Washing of wire rolls and doctors.
- White water spraying facilities.

## ► Materials

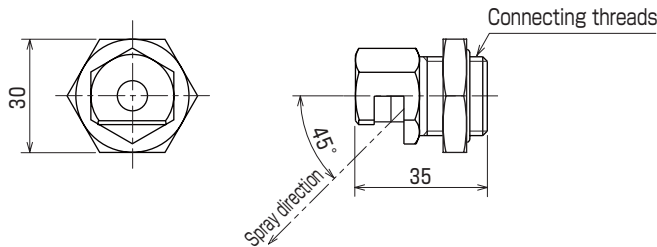
- Stainless steel (SUS303 or SUS316)

### Shapes and dimensions

#### ● SCJ type, straight threaded

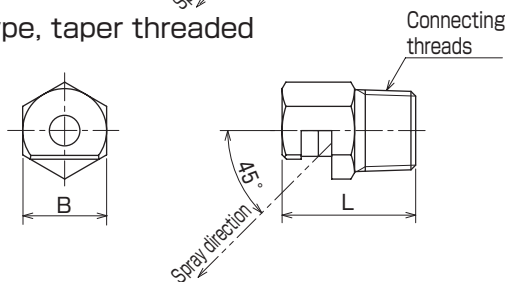


Model	Connecting threads	Weight (g)
SCJ	G $\frac{3}{4}$ $\phi 28$ , 20 threads	130



Model	Connecting threads	Weight (g)
SCJ	G $\frac{1}{2}$	95

#### ● SCJ type, taper threaded



Model	Dimension(mm)		Connecting threads	Weight (g)
	B	L		
$\frac{1}{2}$ SCJ	22	35	R $\frac{1}{2}$	75
$\frac{3}{4}$ SCJ	27	35	R $\frac{3}{4}$	120

#### ● Model and Model Number representing

##### ● Straight threaded type

S C J    0 . 9    G  
 |            |            |  
 Model    Connecting threads  
 number    G - parallel pipe threads  
                   No symbol -  $\phi 28$ , 20 threads

##### ● Taper threaded type

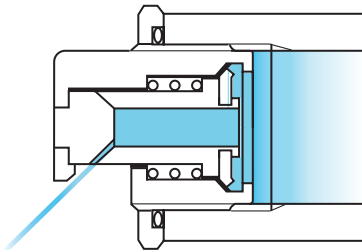
$\frac{1}{2}$     S C J    0 . 9  
 |            |            |  
 Connecting threads    Model number

## ● Standard type model number list

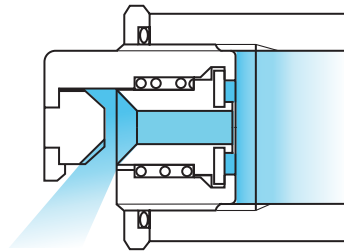
Model	Model number	Equivalent orifice diameter (mm)	Flow rate (L/min) at following pressure (MPa)								
			0.1	0.3	0.5	0.7	1	2	3	4	5
SCJ	0.5	0.5	0.16	0.28	0.37	0.43	0.52	0.73	0.90	1.04	1.16
	0.6	0.6	0.24	0.41	0.53	0.63	0.75	1.06	1.30	1.50	1.68
	0.7	0.7	0.32	0.56	0.72	0.85	1.02	1.45	1.77	2.0	2.3
	0.8	0.8	0.42	0.73	0.94	1.12	1.33	1.89	2.3	2.7	3.0
	0.9	0.9	0.56	0.98	1.26	1.49	1.78	2.5	3.1	3.6	4.0
	1.0	1.0	0.66	1.14	1.47	1.74	2.1	2.9	3.6	4.2	4.6
	1.2	1.2	0.95	1.64	2.1	2.5	3.0	4.2	5.2	6.0	6.7
	1.5	1.5	1.48	2.6	3.3	3.9	4.7	6.6	8.1	9.4	10.5

## ● Cleaning principle

Under normal operation (at increased pressure)



When cleaning foreign matter (at 0.03 MPa)



Flow rate should not exceed 5 L/min for purging foreign substances.