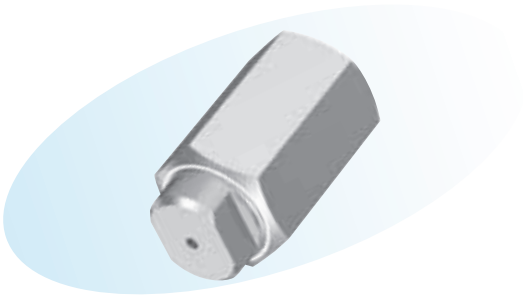
Hollow-cone Nozzle Single type





▸ Features

- Simple structure minimized clogging.
- Relatively small droplets.
- Nearly uniform flow distribution in the circumferential direction.

▸ Applications

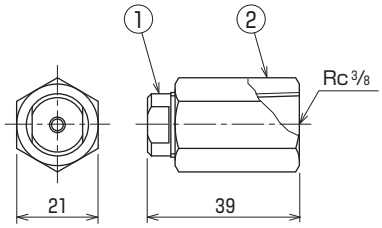
- Cooling of steel, venturi scrubbers, absorption of gases, cooling of return flow.
- Dust prevention, washing, exhaust gas desulphurization.
- Defoaming, defrosting, spraying of chemicals, etc.

▸ Materials

- 303 Stainless steel
- Brass

Shapes and dimensions

● KSC, Taper spiral core type



No.	Part name
1	Nozzle tip
2	Adapter

Weight [g]	70

＊NPT thread is also available.

●Model and Model Number representing

K S C — Material: S - Stainless steel, B - Brass

015 — Model number

● Standard type model number list

Model	Model number	Minimum orifice diameter [mm]	Flow rate [L/min] at following pressure [MPa]								Spray angle at 0.5 MPa
			0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	
KSC	005	0.6	0.50	0.65	0.76	0.91	1.12	1.29	1.44	1.58	60°
	008	0.7	0.80	1.03	1.22	1.46	1.79	2.1	2.3	2.5	
	01	0.9	1.00	1.29	1.53	1.83	2.2	2.6	2.9	3.2	
	015	1.0	1.50	1.91	2.3	2.7	3.3	3.8	4.3	4.7	
	018	1.2	1.80	2.3	2.8	3.3	4.0	4.7	5.2	5.7	
	02	1.3	2.0	2.6	3.1	3.7	4.5	5.2	5.9	6.4	
	025	1.4	2.5	3.3	3.9	4.6	5.6	6.5	7.3	8.0	
	03	1.5	3.0	3.9	4.6	5.5	6.7	7.8	8.7	9.5	
	035	1.5	3.5	4.5	5.4	6.4	7.8	9.1	10.1	11.1	
	04	1.6	4.0	5.2	6.1	7.3	8.9	10.3	11.5	12.6	
	045	1.6	4.5	5.8	6.9	8.2	10.0	11.6	13.0	14.2	
	05	1.7	5.0	6.4	7.6	9.1	11.2	12.9	14.4	15.8	
	06	1.8	6.0	7.8	9.2	11.0	13.5	15.6	17.4	19.0	

Hollow-cone Nozzle Multiple type





Features

- Interchangeable nozzle tips.
- Relatively small droplets.
- Wide-area spraying.

Applications

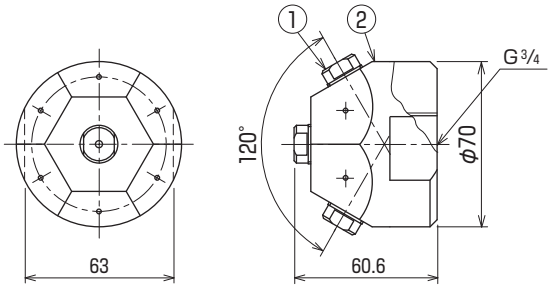
- Dust control used in cement, steel, and chemical industries.
- Cleaning, humidification, and cooling of gases.
- Dust prevention.

Materials

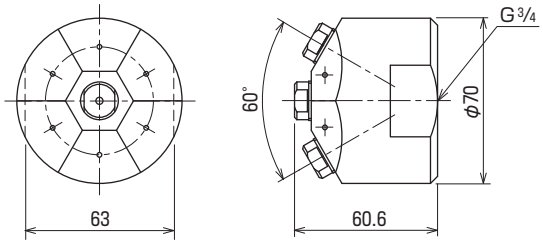
- 303 Stainless steel
- Brass

Shapes and dimensions

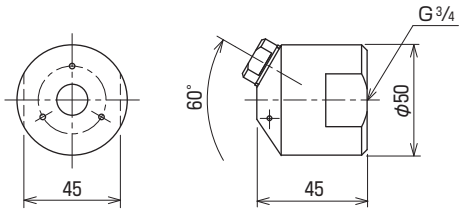
● KSC・・・-7, Taper spiral core type
〔Seven-orifice type with 120° 〕



● KSC・・・-7, Taper spiral core type
〔Seven-orifice type with 60° 〕



● KSC・・・-3, Taper spiral core type
〔Three-orifice type with 60° 〕

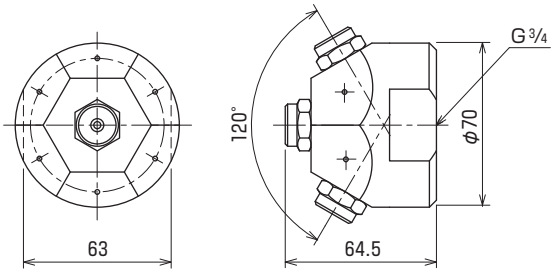


No.	Part name
1	Nozzle tip
2	Adapter

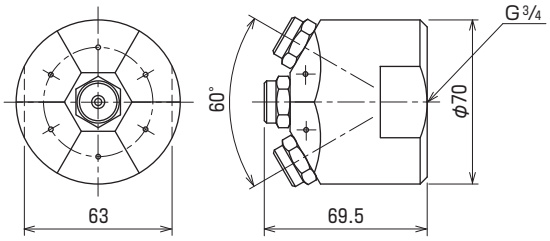
Model	Shape	Weight [g]
KSC・・・-7	Seven-orifice type 120°	1250
KSC・・・-7	Seven-orifice type 60°	1320
KSC・・・-3	Three-orifice type 60°	570

＊NPS thread is also available.

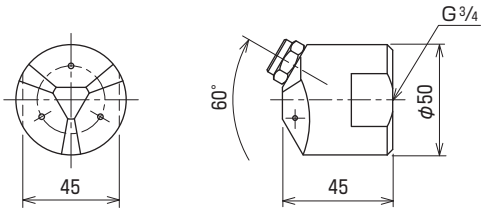
● KSFC･･･-7, Straight spiral core type
〔Seven-orifice type with 120° 〕



● KSFC･･･-7, Straight spiral core type
〔Seven-orifice type with 60° 〕



● KSFC･･･-3, Straight spiral core type
〔Three-orifice type with 60° 〕



Model	Shape	Weight [g]
KSFC･･･-7	Seven-orifice type with 120°	1530
KSFC･･･-7	Seven-orifice type with 60°	1800
KSFC･･･-3	Three-orifice type with 60°	660

＊NPS thread is also available.

●Model and Model Number representing

K S F C — 015 - 7 — (60°)

- S: Material (S - Stainless steel, B - Brass)
- 015: Model number
- 7: Number of nozzle tips
- (60°): Angle between orifices

● Standard type model number list

Model	Model number	Minimum orifice diameter [mm]	Flow rate [L/min] at following pressure [MPa]								Spray angle per orifice at pressure 0.5 MPa
			0.3	0.5	0.7	1.0	1.5	2.0	2.5	3.0	
KSC	005	0.6	0.50	0.65	0.76	0.91	1.12	1.29	1.44	1.58	60°
	008	0.7	0.80	1.03	1.22	1.46	1.79	2.1	2.3	2.5	
	01	0.9	1.00	1.29	1.53	1.83	2.2	2.6	2.9	3.2	
	015	1.0	1.50	1.94	2.3	2.7	3.4	3.9	4.3	4.7	
	018	1.2	1.80	2.3	2.7	3.3	4.0	4.6	5.2	5.7	
	02	1.3	2.0	2.6	3.1	3.7	4.5	5.2	5.8	6.3	
	025	1.4	2.5	3.2	3.8	4.6	5.6	6.5	7.2	7.9	
	03	1.5	3.0	3.9	4.6	5.5	6.7	7.7	8.7	9.5	
	035	1.5	3.5	4.5	5.3	6.4	7.8	9.0	10.1	11.1	
	04	1.6	4.0	5.2	6.1	7.3	8.9	10.3	11.5	12.6	
	045	1.6	4.5	5.8	6.9	8.2	10.1	11.6	13.0	14.2	
	05	1.7	5.0	6.5	7.6	9.1	11.2	12.9	14.4	15.8	
	06	1.8	6.0	7.7	9.2	11.0	13.4	15.5	17.3	19.0	
KSFC	08	1.8	8.0	10.3	12.2	14.6	17.9	20.7	23.1	25.3	60°
	09	1.8	9.0	11.6	13.7	16.4	20.1	23.2	26.0	28.5	
	10	1.8	10.0	12.9	15.3	18.3	22.4	25.8	28.9	31.6	
	11	1.8	11.0	14.2	16.8	20.1	24.6	28.4	31.8	34.8	

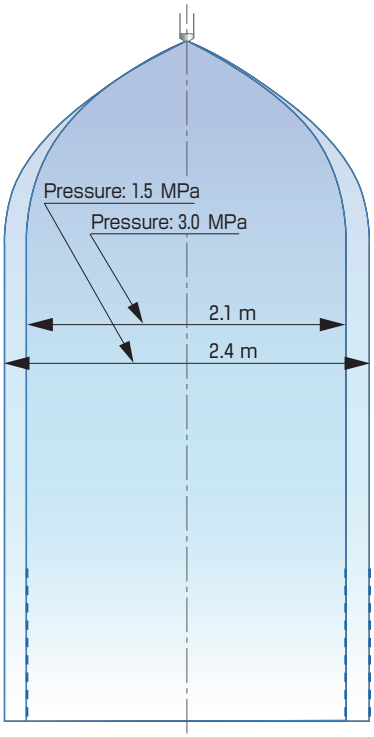
* Flow rates are calculated values using a water pressure of 0.3 MPa as a basis for calculation.
* Flow rates of the three-orifice and seven-orifice types are three and seven times, respectively, higher than the indicated values.

Performance data

Spray patterns

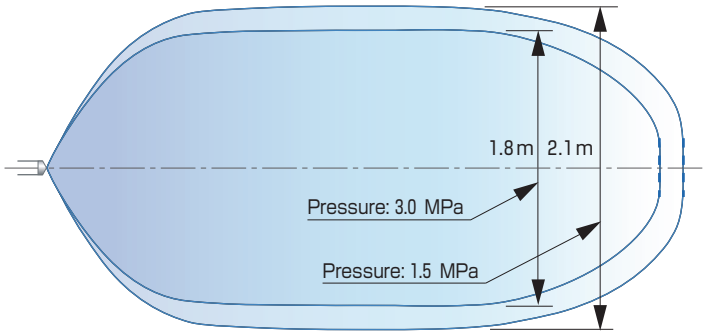
Nozzle model number KSC 008－7 〔Seven-orifice type with 60°〕

Downward spray



Horizontal spray

〔Widthwise, view from the top〕



〔Thicknesswise, view from the side〕

