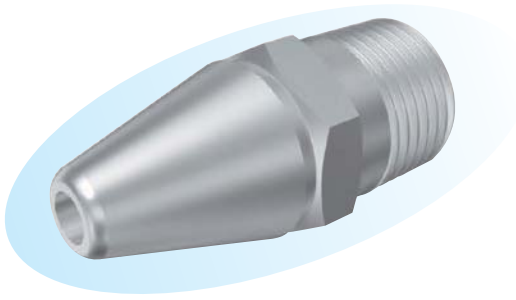


# Air Jet Nozzles



## Features

- Ultrasonic divergent nozzles having a unit construction that suffers from less clogging with foreign matters.
- The tapered shape at the tip decreases occurrence of turbulence phenomena near the exit and minimizes velocity attenuation.

## Applications

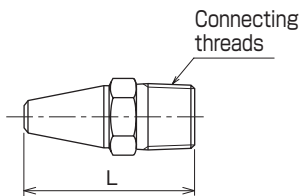
- Removal of moisture, oil, and stains.
- Drying
- Air curtains

## Materials

- Stainless steel (standard material: SUS303)
- Aluminum alloy
- Brass

## Shapes and dimensions

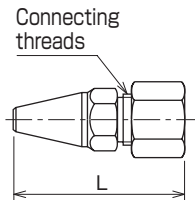
### ● KBV····C type



Model	Dimension(mm)		Connecting threads	Weight (g)
	B	L		
1/8 KBV····C	10	29.5	R 1/8	25
1/4 KBV····C	14	34	R 1/4	35
3/8 KBV····C	17	44	R 3/8	55

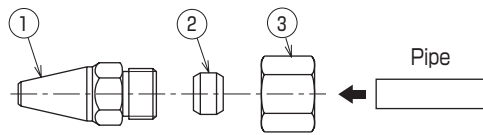
### ● KBV····S type (Pipe connecting type)

#### Assembly drawing



Model	Dimension(mm)		Connecting threads	Pipe Diameter (mm)	Weight (g)
	B	L			
1/8 KBV····S	14	(40)	G 1/8	6	35
1/4 KBV····S	17	(45)	G 1/4	8	50
3/8 KBV····S	21	(52)	G 3/8	10, 12	80

#### Exploded drawing



No.	Part name
①	Nozzle tip
②	Sleeve
③	Cap

● Model and Model Number representing

1/4	K	S	V	1000	C
Connecting threads		Material		Model number	
		S - stainless steel			
		B - brass			
		A - aluminum			

● Standard type model number list

● : Model availability

Connecting threads	Model			Model number	Minimum orifice diameter (mm)	Air flow rate (L/min (nor)) at following pressure (MPa)						
	KSV...C	KBV...C	KAV...C			0.1	0.2	0.3	0.4	0.5	0.6	0.7
1/8		●	●	0200	1.46	32	48	64	80	96	112	127
		●	●	0300	1.75	48	72	96	120	143	167	191
		●	●	0400	2.04	64	96	128	159	191	223	254
		●	●	0500	2.26	80	120	160	199	239	278	318
1/4		●	●	0600	2.46	97	144	191	239	287	334	382
		●	●	0700	2.65	113	168	223	279	335	390	445
		●	●	0800	2.84	129	192	255	319	382	446	509
		●	●	0900	3.00	145	216	287	358	430	501	572
	●	●	●	1000	3.22	161	240	319	398	478	557	636
3/8	●	●	●	1400	3.80	225	336	447	558	669	780	890
	●	●	●	2000	4.56	322	480	639	797	955	1110	1270

※Spray angle : about 16°

● : Model availability

Connecting threads	Model			Model number	Minimum orifice diameter (mm)	Air flow rate (L/min (nor)) at following pressure (MPa)						
	KSV...S	KBV...S	KAV...S			0.1	0.2	0.3	0.4	0.5	0.6	0.7
1/8		●	●	0200	1.46	32	48	64	80	96	112	127
		●	●	0300	1.75	48	72	96	120	143	167	191
		●	●	0400	2.04	64	96	128	159	191	223	254
		●	●	0500	2.26	80	120	160	199	239	278	318
1/4		●	●	0600	2.46	97	144	191	239	287	334	382
		●	●	0700	2.65	113	168	223	279	335	390	445
		●	●	0800	2.84	129	192	255	319	382	446	509
		●	●	0900	3.00	145	216	287	358	430	501	572
	●	●	●	1000	3.22	161	240	319	398	478	557	636
3/8	●	●	●	2000	4.56	322	480	639	797	955	1110	1270
	●	●	●	3000	5.50	483	720	957	1194	1435	1671	1908

※Spray angle : about 16°

● Performance data

Results of velocity distribution analysis

Conditions for analysis: Minimum orifice diameter=φ6mm, Pressure=0.1MPa, Nozzle length=50mm

