Dongguan Changyuan Spraying Technology Co., Ltd.

Our Service is Your Success!

C Y C O

Industrial Spray Nozzles Manufacturer & Supplier

www.ccnozzle.com

K Series Special Spray Nozzle

K1 Air Absorption Flat Fan Spray Nozzle

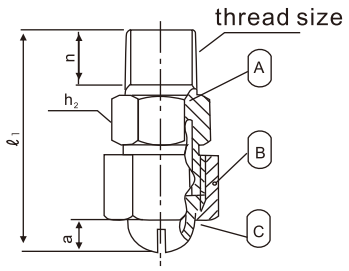
Features

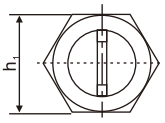
- ■Air or steam flat fan spraying
- ■The shortest continuing distance for the effective spray angle.which is different from liquid
- ■Compressed air: cleaning, dust-removing, drying,, air curtain
- ■Steam:humidifying, temparature-adjusting, humidity-adjusting and so on。

standard pressure 3 bar

Major application

- ■Compressed air: cleaning, dust-removing, drying,air curtain。
- ■Steam:humidifying, temparature-adjusting, humidity -adjusting and so on。





A. combined base B. Cap C spray tip

(Note:It may look a little different because of different model material.)

K1 Series

	K1 Series
Construction	consists of jet tip, cap and joint parts, only the cap of the nozzle tip can be changed, the joint parts can be changed with the standard flat fan spray nozzle (for liquid)
Material	brass. Ss303 ss316 and others。

Series	thread size	Size (mm)					Weight (gr.)	
		l_1	h_1	h_2	a	n	BRASS	S303
K1	1/4	43	19	17	6.5	10.5	47	44
	3/8	48.5	23	21	9.5	11	78	73

Performance Data

Nozzle type	slot width	Air Capacity liters per minute				Steam flow rate				The coverage of nozzle for distance is 150mm	
		1 Bar	2 Bar	4 Bar	7 Bar	1 Bar	2 Bar	4 Bar	7 Bar	1 Bar	4 Bar
L	0.20	21	38	65	102	0.75	1.4	2.3	3.7	275	419
P	0.33	41	60	99	153	1.5	2.1	3.6	5.5	152	254
Q	0.58	77	111	190	305	2.8	4.0	6.8	11.5	228	330
R	1.1	132	198	345	540	4.7	7.1	12.3	19.5	158	241
U	1.1	210	335	570	880	7.6	12.0	20.3	32	275	368
V	2.3	430	700	1150	1725	15.3	25	42	63	238	343

Ordering info

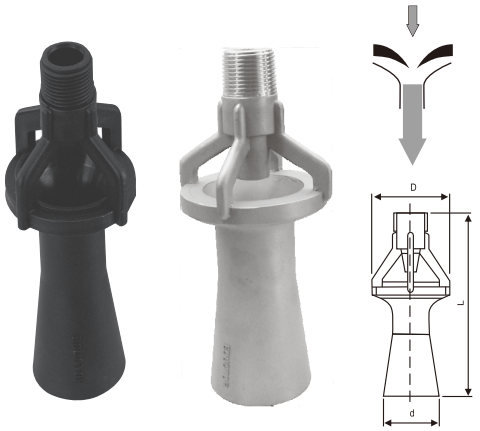
1/4 — k1 — L — SS

- 1/4 — Specifications 1/4 3/8
- k1 — Nozzle series
- L — Capacity code
- SS — Material BRASS SS 303

K2 Mixing Fluid Nozzle

material characteristic

- Constructed of carbon fiber-glass-reinforced Polypropylene of SS316。
- maximum operation temperature 120°C,300°C for stainless steel。
- Corrosion resistance and aging resistance。

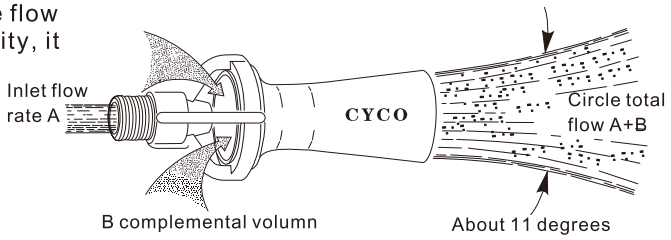


Functions

- provides a honogeneous fluid mix withour the use if air agitation precluding oxidative deconpasition of air agitation of the solutions。
- improves circulation of the turbuient flow and optimized mixture of the solutions。
- assures unifiorm mixture of solutions and improve product quality。

Design features

- Designed on the basis of the berboulli theory, fluid under pressure is pumped into the nozzle through its large flow opening, as the liquid exits the nozzle at high velocity, it draws surrounding solution through the nozzle's "flow-through"chamber that's designed to eliminate internal material build-up. The additional liquid flow mixes with the pumped solution. That is, the nozzle can pull in 4 gallons of surrounding solution for every 1 gallon pumped through the nozzle.



Performance Data

Inlet conn NPT or BSPT(M)	large acreage flow rate	hydraulic pressure input							
		0.5 Bar	1 Bar	1.5 Bar	2 Bar	2.5 Bar	3 Bar	3.5 Bar	4 Bar
1/4	Inlet flow rate(L/min) "A"	11.3	16.0	19.5	23	25	28	30	32
3/8		29	42	51	59	65	70	77	82
3/4		43	64	74	85	97	106	116	124
1-1/2		106	151	184	215	243	259	288	308
1/4	complemental volumn(L/min) "B"	42	59	72	84	93	102	110	118
3/8		116	168	204	236	260	280	308	328
3/4		172	256	298	340	388	424	464	496
1-1/2		424	604	736	860	972	1036	1152	1232
1/4	Circle total flow (L/min) A+B	53.3	75	91.5	107	118	130	140	150
3/8		145	210	255	295	325	350	385	410
3/4		215	320	370	425	485	530	580	620
1-1/2		530	755	920	1075	1215	1295	1440	1540
1/4	Effective range(m)	0.91	1.5	2.1	2.6	3.0	3.7	4.3	5.2
3/8		1.2	1.8	2.4	3.0	3.7	4.3	4.9	6.7
3/4		1.5	2.4	3.4	4.3	5.2	6.1	7.3	10.1
1-1/2		2.3	3.7	4.9	6.1	7.3	8.8	10.4	14.0

K2 Series

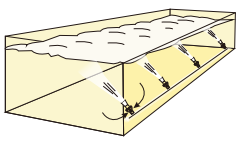
Model	Inlet conn (Inch)	L(mm)	D(mm)	D(mm)
K2 40	1/4	70	30	23
K2 60	3/8	115	50	38
K2 90	½	115	50	38
K2 130	3/4	165	65	50

Ordering info

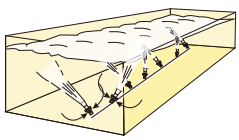
K2 40——3/8——PP

Model　Entrance size　Material

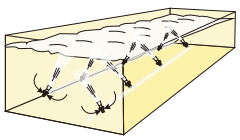
In large solution tank, annular distribution of the mix fluid nozzle is more effective than mono-distribution, and horizontal arrangement is the lowest efficiency. The mixing fluid nozzle shound be installed at the bottom of the tank in order to get to a maximum circulation rate. Below are some of the typical distribution of the mixing fluid nozzle.



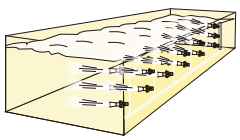
Rectangle or square stirred tank



Stratification stirred tank



Spare parts rinse bath



Grid structured plating bath

F Wind Jet Nozzle

Design Features

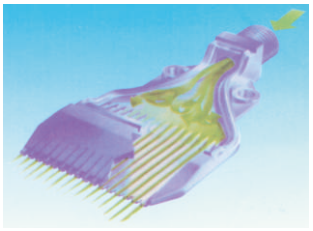
F WindJet Nozzle features a high impact,flat fan distribution of compressed air.

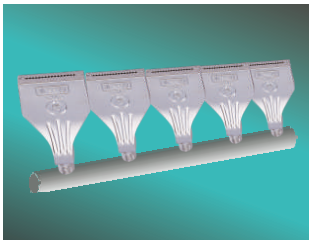
It is available in durable ABS plastic or aluminum alloy.It produces a quiet,efficient ,controlled flat fan distribution of compressed air.The air stream is discharged through 16precision orifices that ensure uniform distribution and spray pattern integrity.

It fits through 1/4 inch inlet connection wity BSPT male screw thread.Two convenient mounting holes on the ABS model ensure correct positioning on the header or manifold or fixed applications,offering uniform distribution of air curtain.

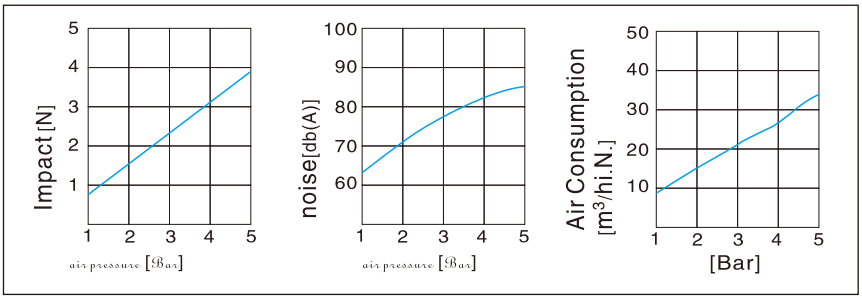
Plastic F WindJet Nozzle withstands temperatures up to 77℃ at 7 bar.

While aluminum alloy F WindJet Nozzle withstands temperature of 250℃ and pressure about 30 bar.

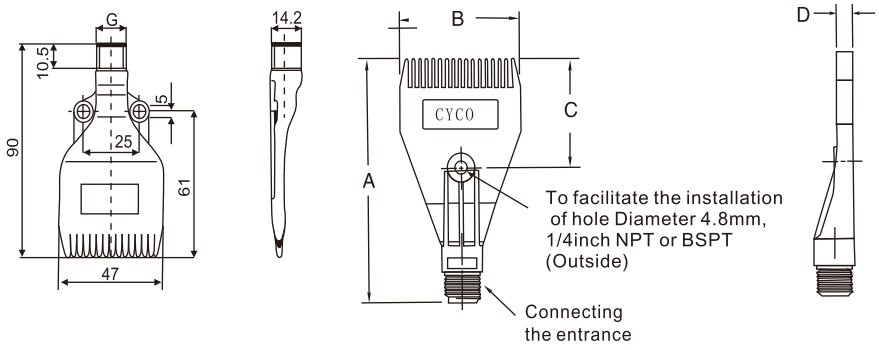




Performancedata



Dimensions



Application

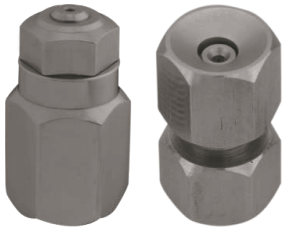
- Parts cooling
- Parts drying
- Parts washing
- Material moving
- Threading

Ordering info

F1/4-ALMA	Aluminum alloy material
F1/4-ABS	Plastic material

K5 Spray–Dry Nozzle

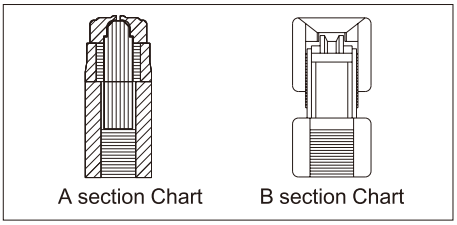
The nozzle body is mainly made of stainless steel, with harden SS, alloy or gem for accessories. With a swirl leading chest inside, the liquid is changed into centrifugal mist with little spraying drop. It can close contact with hot air, and widely applied in food, ceramic, pharmacy, Chemical, dyeing and metallurgy, etc.

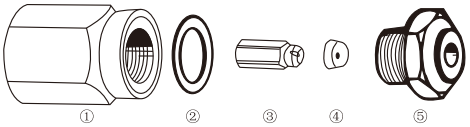


K5 for drying spraying Nozzle

	K5 Series
Structure	SS 303 for nozzle body, and selective materials for cover, taper or spray hole.
Material	SS303, SS316, Harden SS, Alloy or Gem

A Spec	Inlet joint female/male screw thread		Size		
	1/4Inch	3/8Inch	)mm)A Hexagon	B length	Net Weight
			25.4	41.5or47.6	0.142/0.1156





1、Holder 2、Sealing Cushion 3、Rotary Core 4、Inlayer 5、Nozzle tip

Dry Nozzle Head Diagram

Performance Data

Inlet conn NPT or BSPT(M)	Capacity	Rating Spray Hole . Dia (mm)	Capacity (L/min)															
			3Bar	4Bar	5.5Bar	7Bar	10Bar	15Bar	20Bar	35Bar	50Bar	70Bar	100Bar	135Bar	170Bar	210Bar	275Bar	340Bar
1/4	1	1.4	0.67	0.77	0.91	1.0	1.2	1.5	1.7	2.3	2.7	3.2	3.9	4.5	5.1	5.6	6.4	7.1
3/8			68°	72°	73°	74°	75°	76°	71°	67°	62°	57°	55°	53°	51°	50°	48°	46°
1/4	1.5	1.8	1.1	1.2	1.4	1.6	1.9	2.4	2.8	3.6	4.4	5.1	6.2	7.2	8.0	8.9	10.2	11.4
3/8			78°	82°	83°	84°	80°	77°	75°	72°	65°	59°	57°	55°	53°	51°	49°	47°
1/4	2	2.0	1.3	1.5	1.8	2.1	2.5	3.0	3.5	4.6	5.5	6.5	7.8	9.0	10.1	11.2	12.9	14.3
3/8			77°	81°	81°	81°	80°	79°	73°	68°	62°	57°	55°	53°	51°	50°	48°	46°
1/4	3	2.4	2.1	2.4	2.8	3.1	3.7	4.6	5.3	7.0	8.4	9.9	11.9	13.8	15.5	17.2	20	22
3/8			78°	79°	79°	78°	77°	76°	67°	59°	53°	48°	46°	44°	41°	39°	37°	35°
1/4	4	2.8	2.6	3.0	3.5	4.0	4.8	5.8	6.7	8.9	10.6	12.6	15.0	17.5	19.6	22	25	28
3/8			76°	76°	77°	78°	77°	76°	67°	59°	53°	48°	46°	44°	41°	38°	35°	33°
1/4	5	3.3	3.4	3.9	4.5	5.1	6.1	7.5	8.7	11.5	13.7	16.2	19.4	23	25	28	32	36
3/8			91°	91°	88°	86°	82°	79°	71°	63°	56°	50°	46°	45°	43°	40°	37°	34°
1/4	6	3.5	4.0	4.6	5.4	6.1	7.3	8.9	10.3	13.6	16.3	19.3	23	27	30	33	38	42
3/8			89°	89°	86°	83°	80°	78°	69°	61°	56°	52°	48°	46°	43°	42°	40°	38°
1/4	7	3.6	4.3	5.0	5.8	6.6	7.9	9.6	11.1	14.7	17.6	21	25	29	32	36	41	46
3/8			91°	88°	85°	83°	80°	78°	69°	60°	59°	58°	55°	53°	51°	48°	45°	42°
1/4	8	4.0	5.4	6.2	7.3	8.2	9.8	12.0	13.9	18.3	22	26	31	36	40	45	51	57
3/8			92°	89°	86°	83°	78°	74°	65°	57°	54°	52°	51°	50°	48°	46°	44°	42°
1/4	10	4.5	7.1	8.3	9.7	10.9	13.0	16.0	18.4	24	29	35	41	48	54	60	68	76
3/8			94°	87°	85°	83°	79°	75°	67°	59°	57°	55°	48°	46°	44°	42°	40°	38°
1/4	15	5.4	11.6	13.4	15.7	17.7	21	26	30	40	47	56	67	78	87	97	111	123
3/8			86°	82°	80°	78°	73°	68°	60°	52°	51°	50°	46°	44°	43°	40°	36°	32°
1/4	20	6.4	17.8	21	24	27	32	40	46	61	73	86	103	119	134	149	170	189
3/8			80°	80°	80°	80°	72°	64°	55°	47°	46°	45°	42°	39°	37°	35°	30°	32°

Ordering info

K5 — 1/4(Inside) — 1.5 — SS

- K5 — Nozzle Model
- 1/4(Inside) — Interior 1/4 Screw Thread
- 1.5 — Capacity
- SS — Material