

# DK automatic fine atomizing nozzles



The nozzle is used for moistening and coating which requires accurate spraying and coating area.

## DESIGN FEATURES

Automatic fine atomizing nozzle could independently control liquid atomizing gas pressure and fan gas pressure to adjust flow rate, droplet size, spraying distribution and coverage area accurately. Resulting from the scientific and rational design, the nozzle can spray viscous liquid ideally.

Also the single gas atomizing pipeline can be adjusted to alter the droplet size without altering the flow rate. With an accessional entrance/exit passage, the viscous liquid circles to keep itself flowing.

Any one of these seven different spray devices is available, the flow rate is between 2.8 L/H and 179 L/H. The flow rate of atomizing gas, fan gas and liquid can be adjusted to adapt various of spray application. The 'on-off' of timing controller can run automatically at the rate of 180 cycles per minute.

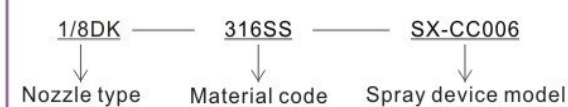
The cylinder works only when the air pressure reaches 2.4 bar at least.

## PERFORMANCE DATA

Spray device model	Liquid flow rate (L/H)		Data numbers
	0.21bar	1.4bar	
SX-CC001A	2.8	7.3	924M-001A
SX-CC002C	4.2	11.1	924M-002C
SX-CC004	8.1	21	924M-004
SX-CC004B	13.6	35	924M-004B
SX-CC005	18.4	48	924M-005
SX-CC006	38	99	924M-006
SX-CC006D	69	179	924M-006D

1/8K Spray Nozzle	Atomizing air pressure (bar)	Liquid pressure (bar)	Spray range (cm) under fan air pressure when the distance to the nozzle is designed															
			0 bar			0.3 bar			0.7 bar			1.5 bar			3 bar			
Spray device model SX-CC006	0.7	0.2	7.6	10.2	12.7	11.4	15.2	20	17.8	25	33	30	41	51				
		0.7											28	38	56	53	66	84
		1.5														43	56	76
	1.5	0.2	7.6	10.2	12.7	7.6	10.2	15.2	12.7	17.8	23	23	30	41	36	46	66	
		0.7				7.6	12.7	15.2	12.7	17.8	25	20	30	41	36	48	66	
		1.5													33	48	64	
Made up of Vf 100-BRASS liquid cap and Va125-Brass air cap	2	0.2	7.6	10.2	12.7	8.9	11.4	16.5	10.2	15.2	20	15.2	20	28	30	36	53	
		0.7	6.4	8.9	12.7	7.6	10.2	14	10.2	15.2	22	17.8	23	38	30	41	56	
		1.5													28	38	53	
	3	0.2	7.6	10.2	14	7.6	11.4	15.2	8.9	12.7	17.8	15.2	20	28	25	30	43	
		0.7	6.4	8.9	12.7	8.9	11.4	15.2	10.2	12.7	17.8	15.2	20	27	28	36	51	
		1.5	6.4	8.9	12.7	7.6	10.2	16.5	7.6	12.7	20	15.2	20	28	23	33	43	

## ORDERING INFORMATION



## COMMON APPLICATION

- Coating
- Moistening
- Viscous liquid spraying
- Circulation system