

Compact Design, Small Capacity Fine Fog Nozzles

—Liquid Siphon Type—

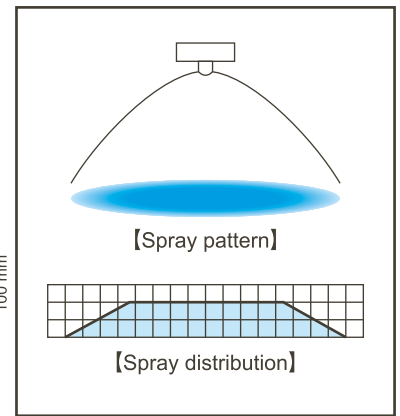
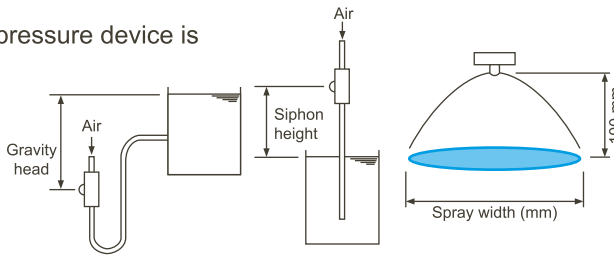
CBIMV-S CBIMK-S

CBIMV-S (Flat Spray)

Features

- Flat spray pneumatic nozzle producing fine atomization with a mean droplet diameter of 30 μm or less.*1
- Liquid siphon feed type (liquid pressure device is not required).
- Spray angle of 80°.
- Even spray distribution across the entire spray area.

*1) Droplet diameter measured by laser Doppler method



Spray angle code *2	Air consumption code	Air pressure (MPa)	Air consumption (ℓ/min, Normal)	Spray capacity (ℓ/hr)					Spray width*3 (mm)	Mean droplet diameter (μm) Laser Doppler method	Free passage dia. (mm)		
				Gravity head (mm)		Siphon height (mm)					Spray orifice	Adaptor	
				+300	+100	-100	-300	-500				Liquid	Air
80	005S	0.2	3.75	0.4	0.38	0.36	0.34	0.32	160	20-30	0.2	0.4	0.3
		0.3	5.0	0.29	0.27	0.25	0.23	0.21	165				
		0.4	6.25	0.16	0.15	0.13	0.11	0.1	170				
	01S	0.2	7.5	0.74	0.68	0.65	0.61	0.57	160	20-30	0.2	0.6	0.5
		0.3	10	0.55	0.52	0.5	0.47	0.43	165				
		0.4	12.5	0.38	0.34	0.3	0.27	0.25	170				
	02S	0.2	15	1.4	1.3	1.2	1.2	1.1	160	20-30	0.3	0.6	0.7
		0.3	20	1.1	1.0	1.0	0.9	0.9	165				
		0.4	25	0.7	0.7	0.6	0.6	0.5	170				
	04S	0.2	27	2.8	2.5	2.3	2.2	2.0	165	20-30	0.5	0.9	0.9
		0.3	36	2.4	2.1	2.0	1.9	1.8	170				
		0.4	46	1.9	1.7	1.6	1.5	1.4	175				
	075S	0.2	56	5.5	5.1	4.7	4.3	3.9	170	20-30	0.7	1.2	1.4
		0.3	74	4.7	4.3	4.0	3.7	3.3	180				
		0.4	92	3.5	3.2	2.9	2.7	2.5	190				

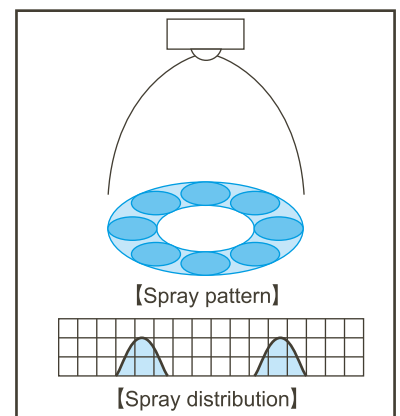
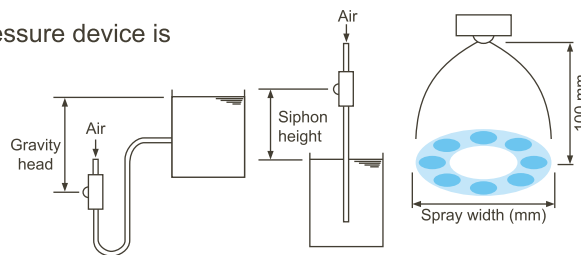
*2) Spray angle measured at compressed air pressure of 0.3 MPa and liquid siphon height of 100 mm. *3) Measured at 100 mm from nozzle and liquid siphon height of 100 mm.

CBIMK-S (Hollow Cone Spray)

Features

- Hollow cone spray pneumatic nozzle producing fine atomization with a mean droplet diameter of 30 μm or less.*1
- Liquid siphon feed type (liquid pressure device is not required).
- Spray angle of 60°.

*1) Droplet diameter measured by laser Doppler method



Spray angle code *2	Air consumption code	Air pressure (MPa)	Air consumption (ℓ/min, Normal)	Spray capacity (ℓ/hr)					Spray width*3 (mm)	Mean droplet diameter (μm) Laser Doppler method	Free passage dia. (mm)		
				Gravity head (mm)		Siphon height (mm)					Spray orifice	Adaptor	
				+300	+100	-100	-300	-500				Liquid	Air
60	04S	0.2	27	2.8	2.5	2.3	2.2	2.0	120	20-30	0.6	0.9	0.9
		0.3	36	2.4	2.1	2.0	1.9	1.8	120				
		0.4	46	1.9	1.7	1.6	1.5	1.4	120				
	075S	0.2	56	5.5	5.1	4.7	4.3	3.9	120	20-30	0.8	1.2	1.4
		0.3	74	4.7	4.3	4.0	3.7	3.3	120				
		0.4	92	3.5	3.2	2.9	2.7	2.5	120				

*2) Spray angle measured at compressed air pressure of 0.3 MPa and liquid siphon height of 100 mm. *3) Measured at 100 mm from nozzle and liquid siphon height of 100 mm.

How to order

Please inquire or order for a specific nozzle using this coding system.

<Example> CBIMV 11002 S303 + T S303

CBIMV	110	02	S303 + T S303
Nozzle series	Spray angle code	Air consumption code	
■ CBIMV, CBIMV-S			
■ CBIMK, CBIMK-S			
■ CBIMJ			

See the respective tables on pages 31-33 for Spray angle code and Air consumption code.