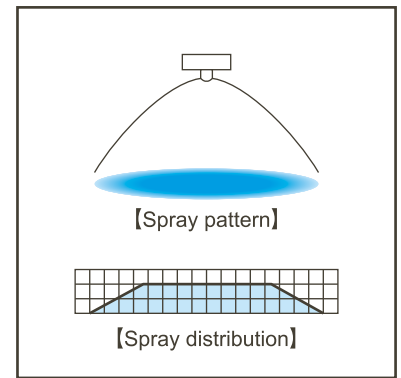
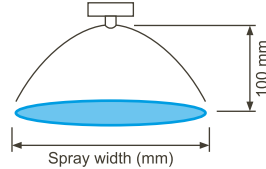


CBIMV (Flat Spray)

Features

- Pneumatic spray nozzle producing fine atomization with a mean droplet diameter of 100 μm or less.*1
- Flat spray pattern.
- Features large turn-down ratio under liquid pressures of 0.1–0.3 MPa.
- Produces two different spray distributions: even spray distribution across the entire spray area (when spraying at a low air-water ratio), or a mountain-shaped distribution having gradually tapered edges (at a high air-water ratio).



*1) Droplet diameter measured by laser Doppler method

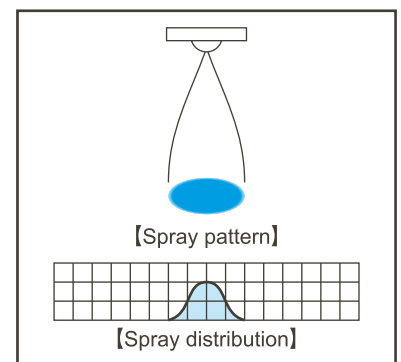
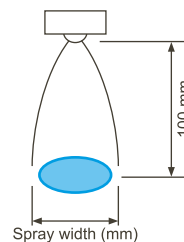
Spray angle code *2	Air consumption code	Air pressure (MPa)	Spray capacity (ℓ/hr) & Air consumption (ℓ/min, Normal)										Spray width*3 (mm)			Mean droplet dia. (μm)	Free passage diameter (mm)		
			Liquid pressure (MPa)										Liquid press. (MPa)				Laser Doppler method	Spray orifice	Adaptor
			0.1		0.15		0.2		0.25		0.3		0.1	0.15	0.25				
			Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air							
110	01	0.2	1.3	6.8	2.8	5.3	—	—	—	—	—	—	280	330	—	20–100	0.2	0.6	0.5
		0.3	0.5	10	1.1	9.5	2.3	8.4	4.0	6.5	—	—	240	250	380				
		0.4	—	—	0.6	12.4	1.1	12	2.2	11	3.3	9.6	—	220	300				
	02	0.2	2.2	14	5.3	11	—	—	—	—	—	—	280	340	—	20–100	0.2	0.9	0.7
		0.3	1.0	20	2.5	19	4.6	17	8.3	12	14.3	7	220	250	420				
		0.4	—	—	1.4	25	2.3	24	4.0	23	6.3	20	—	230	340				
80	005	0.2	0.7	3.4	1.5	2.6	—	—	—	—	—	—	230	260	—	20–100	0.1	0.4	0.3
		0.3	0.25	5.0	0.6	4.7	1.25	4.1	2.0	3.2	—	—	170	200	280				
		0.4	—	—	0.3	6.3	0.55	6.0	1.1	5.5	1.65	4.8	—	160	250				
	01	0.2	1.3	6.8	2.8	5.3	—	—	—	—	—	—	220	250	—	20–100	0.2	0.6	0.5
		0.3	0.5	10	1.1	9.5	2.3	8.4	4.0	6.5	—	—	140	200	250				
		0.4	—	—	0.6	12.4	1.1	12	2.2	11	3.3	9.6	—	140	220				
02	0.2	2.2	14	5.3	11	—	—	—	—	—	—	200	260	—	20–100	0.3	0.9	0.7	
	0.3	1.0	20	2.5	19	4.6	17	8.3	12	14.3	7	170	210	300					
	0.4	—	—	1.4	25	2.3	24	4.0	23	6.3	20	—	200	250					
45	005	0.2	0.7	3.4	1.5	2.6	—	—	—	—	—	—	120	150	—	20–100	0.2	0.4	0.3
		0.3	0.25	5.0	0.6	4.7	1.25	4.1	2.0	3.2	—	—	80	110	150				
		0.4	—	—	0.3	6.3	0.55	6.0	1.1	5.5	1.65	4.8	—	80	140				
	01	0.2	1.3	6.8	2.8	5.3	—	—	—	—	—	—	120	150	—	20–100	0.3	0.6	0.5
		0.3	0.5	10	1.1	9.5	2.3	8.4	4.0	6.5	—	—	80	110	150				
		0.4	—	—	0.6	12.4	1.1	12	2.2	11	3.3	9.6	—	80	140				
02	0.2	2.2	14	5.3	11	—	—	—	—	—	—	100	130	—	20–100	0.4	0.9	0.7	
	0.3	1.0	20	2.5	19	4.6	17	8.3	12	14.3	7	80	110	150					
	0.4	—	—	1.4	25	2.3	24	4.0	23	6.3	20	—	100	130					

*2) Spray angle measured at compressed air pressure of 0.3 MPa and liquid pressure of 0.1 MPa. *3) Measured at 100 mm from nozzle.

CBIMJ (Full Cone Spray)

Features

- Pneumatic spray nozzle producing fine atomization with a mean droplet diameter of 100 μm or less.*1
- Full cone spray pattern.
- Features large turn-down ratio under liquid pressures of 0.1–0.3 MPa.



*1) Droplet diameter measured by laser Doppler method

Spray angle code *2	Air consumption code	Air pressure (MPa)	Spray capacity (ℓ/hr) & Air consumption (ℓ/min, Normal)										Spray width*3 (mm)			Mean droplet dia. (μm)	Free passage diameter (mm)		
			Liquid pressure (MPa)										Liquid press. (MPa)				Laser Doppler method	Spray orifice	Adaptor
			0.1		0.15		0.2		0.25		0.3		0.1	0.15	0.25				
			Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air							
20	005	0.2	0.7	3.4	1.5	2.6	—	—	—	—	—	—	25	20	—	20–100	0.7	0.4	0.3
		0.3	0.25	5.0	0.6	4.7	1.25	4.1	2.0	3.2	—	—	30	30	25				
		0.4	—	—	0.3	6.3	0.55	6.0	1.1	5.5	1.65	4.8	—	30	30				
	01	0.2	1.3	6.8	2.8	5.3	—	—	—	—	—	—	25	20	—	20–100	0.8	0.6	0.5
		0.3	0.5	10	1.1	9.5	2.3	8.4	4.0	6.5	—	—	30	30	25				
		0.4	—	—	0.6	12.4	1.1	12	2.2	11	3.3	9.6	—	30	30				
02	0.2	2.2	14	5.3	11	—	—	—	—	—	—	25	20	—	20–100	1.1	0.9	0.7	
	0.3	1.0	20	2.5	19	4.6	17	8.3	12	14.3	7	30	30	25					
	0.4	—	—	1.4	25	2.3	24	4.0	23	6.3	20	—	30	30					

*2) Spray angle measured at compressed air pressure of 0.3 MPa and liquid pressure of 0.1 MPa. *3) Measured at 100 mm from nozzle.