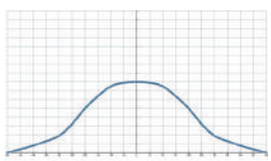
CH Easy maintenance metal flat fan nozzle

- Recommended working pressure: 3.0 kgf/cm²
- Flowrate tolerance: ± 5% @ 3.0 ± 0.1 kgf/cm²
- Angle tolerance: ± 5° @ 3.0 ± 0.1 kgf/cm²
- Jet angle tolerance: 3°

【 Top view of nozzle spray pattern 】

【 Flow distribution 】



Features

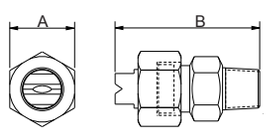
- Spray type is fan type, spray shape is single-lined and tapering on both sides (Tapered Edge), which presents a bell curve shape flow field distribution with weaker ends at the middle.
- Three-piece structure facilitates maintenance cleaning and replacement, and can save the cost of replacing the nozzle head.
- The fan nozzle angle can be 0°~110°, and the 0° spray angle spray pattern is a straight column type. The spray shape is a single point, which provides the best impact force among all nozzle types.

Applications

- Cleaning: Vehicles, Containers, Filters, Dust, Gravel, Metals, Metal Parts, Machinery, Steel Plates, Various Containers, High Pressure cleaning, Wet Processing, Display Pane, machine tool cleaning, etc.
- Cooling: Gas, tank, machinery, metal, roof, etc.
- Dispersion: Humidifying, chemicals (etching solution,Lubrication fluid, insect repellent fluid, etc.), Water Curtain. (fire protection, dust prevention, deodorization, etc.)

Material

- Metal: Stainless 303, Stainless 316, BRASS



Appearance dimensions may vary depending on model, material. Please ask for details.

Material	Serise	Unit(mm)		Thread Type	Weight (g)		
		A	B		S303	S316	Brass
Metal	3/8CH	21	43	3/8M	70	71	77.2

How to pleace an order for LORRIC nozzles?

Example: 1/4 (Thread Size) BSPT (Thread Type) CH (Nozzle Series) 05 (Capacity Code) 90 (Spray Angle) S316 (Material)

※ Standard Pressure: Column in red.
※ This product for spray angle 0°, 15° 25°, 40°, 50°, 100° and 110° is able to be made to order.

Spray Angle	Capacity Code	Capacity at Pressure									Average particle size (um)	Min. Free Passage (mm)	Filter mesh
		0.5 kgf/cm²	1 kgf/cm²	2 kgf/cm²	3 kgf/cm²	4 kgf/cm²	6 kgf/cm²	8 kgf/cm²	10 kgf/cm²	15 kgf/cm²			
0°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-

※ For MPa / bar / psi units, please refer to https://www.lorric.com/.

Spray Angle	Capacity Code	Capacity at Pressure									Average particle size (um)	Min. Free Passage (mm)	Filter mesh
		0.5 kgf/cm²	1 kgf/cm²	2 kgf/cm²	3 kgf/cm²	4 kgf/cm²	6 kgf/cm²	8 kgf/cm²	10 kgf/cm²	15 kgf/cm²			
15°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-
25°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-
40°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-

※ For MPa / bar / psi units, please refer to https://www.lorric.com/.

Spray Angle	Capacity Code	Capacity at Pressure									Average particle size (um)	Min. Free Passage (mm)	Filter mesh
		0.5 kgf/cm²	1 kgf/cm²	2 kgf/cm²	3 kgf/cm²	4 kgf/cm²	6 kgf/cm²	8 kgf/cm²	10 kgf/cm²	15 kgf/cm²			
50°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-
65°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	140	0.2	200
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	0.4	150
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	0.6	100
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	0.7	100
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	0.8	50
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	0.9	50
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	230	0.9	50
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	1.0	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	1.0	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	1.1	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	1.1	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	1.2	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	1.3	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	1.4	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	370	1.6	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	2.0	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	2.3	-
80°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	135	0.2	200
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	0.3	150
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	0.4	150
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	0.4	150
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	0.6	100
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	220	0.7	50
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	0.7	50
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	0.9	50
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	0.9	50
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	1.0	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	1.0	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	1.1	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	1.3	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	1.4	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	340	1.6	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	1.9	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	2.1	-

※ For MPa / bar / psi units, please refer to https://www.lorric.com/.

Spray Angle	Capacity Code	Capacity at Pressure									Average particle size (um)	Min. Free Passage (mm)	Filter mesh
		0.5 kgf/cm²	1 kgf/cm²	2 kgf/cm²	3 kgf/cm²	4 kgf/cm²	6 kgf/cm²	8 kgf/cm²	10 kgf/cm²	15 kgf/cm²			
90°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	130	0.2	200
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	0.3	150
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	0.4	150
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	0.4	150
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	0.5	100
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	0.5	100
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	210	0.5	100
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	0.6	100
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	0.8	50
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	330	0.8	50
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	0.8	50
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	1.0	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	1.1	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	1.2	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	1.4	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	1.6	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	1.8	-
100°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-
110°	1	0.16	0.23	0.32	0.39	0.45	0.55	0.64	0.71	0.87	-	-	-
	2	0.32	0.45	0.64	0.78	0.90	1.11	1.28	1.43	1.75	-	-	-
	2.5	0.40	0.56	0.80	0.98	1.13	1.38	1.60	1.78	2.19	-	-	-
	3	0.48	0.68	0.96	1.17	1.35	1.66	1.92	2.14	2.62	-	-	-
	4	0.64	0.90	1.28	1.56	1.81	2.21	2.55	2.86	3.50	-	-	-
	5	0.80	1.13	1.60	1.96	2.26	2.76	3.19	3.57	4.37	-	-	-
	6	0.96	1.35	1.92	2.35	2.71	3.32	3.83	4.28	5.25	-	-	-
	7	1.12	1.58	2.23	2.74	3.16	3.87	4.47	5.00	6.12	-	-	-
	7.5	1.20	1.69	2.39	2.93	3.39	4.15	4.79	5.35	6.56	-	-	-
	8	1.28	1.81	2.55	3.13	3.61	4.42	5.11	5.71	6.99	-	-	-
	9	1.44	2.03	2.87	3.52	4.06	4.98	5.75	6.42	7.87	-	-	-
	10	1.60	2.26	3.19	3.91	4.51	5.53	6.39	7.14	8.74	-	-	-
	12.5	2.00	2.82	3.99	4.89	5.64	6.91	7.98	8.92	10.93	-	-	-
	15	2.39	3.39	4.79	5.87	6.77	8.29	9.58	10.71	13.11	-	-	-
	20	3.19	4.51	6.39	7.82	9.03	11.06	12.77	14.28	17.49	-	-	-
	25	3.99	5.64	7.98	9.78	11.29	13.82	15.96	17.85	21.86	-	-	-
	30	4.79	6.77	9.58	11.73	13.54	16.59	19.16	21.42	26.23	-	-	-

※ For MPa / bar / psi units, please refer to https://www.lorric.com/.