

STANDARD CAPACITY FLAT FAN NOZZLES

Standard flat fan nozzles are available in a wide range of different capacities, spray angles, thread sizes and materials. Used in several industrial applications, they produce a mist spray and supply an appropriate force of impact.

■ Typical applications

Washing: parts cleaning, food cleaning, filter cloth cleaning

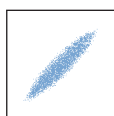
Spray: spray of chemicals, disinfectant and lubricating fluids

Cooling: metal parts and vehicles cooling

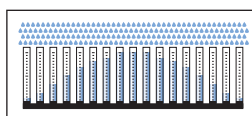
Other applications: water curtain for toxic gases separation, cleaning systems

In steelworks they are used in the pickling process to remove surface oxides layers formed during the hot metalwork.

■ Thread specification: BSPT, NPT



Spray section



Convex distribution



SPRAY ANGLE CODES

JBA	JBC	JBF	JBM	JBQ	JBU	JBW
0°	20°	30°	45°	60°	90°	120°

THREAD SIZE CODES (RG)

JA	JB	JC
1/8"	1/4"	3/8"

	JAA 1/8"	JBA 1/4"	JCA 3/8"	Capacity code	D mm	Capacity at different pressure values								(l/min) (bar)
						0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
0°	•	•		1153	1.25	0.62	0.88	1.25	1.53	1.77	1.98	2.34	2.79	3.95
	•	•		1190	1.30	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91
	•	•		1233	1.50	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02
	•	•		1310	1.70	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00
	•	•		1385	1.80	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94
	•	•		1490	2.10	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.7
	•	•		1581	2.30	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0
	•	•	•	1780	2.70	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1
	•	•	•	1980	3.00	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3
	•	•	•	2124	3.40	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0
	•	•	•	2153	3.80	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5
	•	•	•	2195	4.30	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
		•	•	2245	4.80	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3
		•	•	2274	5.20	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
		•	•	2310	5.40	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0
		•	•	2390	6.00	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101
		•	•	2470	6.20	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121

DIMENSIONS AND WEIGHTS

Code	Size (RG)	H	H1	WS	W
unit	inch	mm	mm	mm	gram
JA	1/8"	19.5	11	12	9
JB	1/4"	22.0	12	14	18
JC	3/8"	25.0	14	17	34

HOW TO MAKE UP THE
NOZZLE CODE

EX.: JAA 1153 B1

J A A 1153 XX

NOZZLE TYPE

CONNECTION

CAPACITY

SPRAY ANGLE

MATERIAL

• A - 1/8"

• B - 1/4"

• C - 3/8"

• A - 0°

• C - 20°

• F - 30°

• M - 45°

• Q - 60°

• U - 90°

• W - 120°

• B1 - AISI 303 Stainless steel

• B31 - AISI 316L Stainless steel

• T1 - Brass

• D1 - PVC (optional)

• E1 - PTFE (optional)