

J (STANDARD CAPACITY FLAT FAN NOZZLES)

SPRAY ANGLE CODES

JxA	0°
JxC	20°
JxF	30°
JxM	45°
JxQ	60°
JxU	90°
JxW	120°

THREAD SIZE CODES (RG)

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

SPRAY ANGLE	JAQ 1/8"	JBQ 1/4"	JCQ 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	
60°	•	•		0780	0.91	0.32	0.45	0.64	0.78	0.90	1.01	1.19	1.42	2.01	
	•	•		1120	1.10	0.49	0.69	0.98	1.20	1.39	1.55	1.83	2.19	3.10	
	•	•		1160	1.30	0.65	0.92	1.31	1.60	1.85	2.07	2.44	2.92	4.13	
	•	•		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		

IMPORTANT

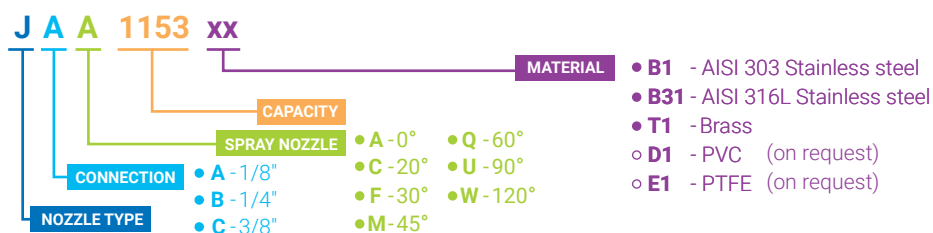
The nozzle **Jxx 0780 B31** is made with "low capacity" body, while when it's fabricated with other materials is made with "standard capacity" body.

SPRAY ANGLE	JAU	JBU	JCU	CODE	D	0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
90°	•	•		0780	0.91	0.32	0.45	0.64	0.78	0.90	1.01	1.19	1.42	2.01
	•	•		1120	1.10	0.49	0.69	0.98	1.20	1.39	1.55	1.83	2.19	3.10
	•	•		1160	1.30	0.65	0.92	1.31	1.60	1.85	2.07	2.44	2.92	4.13
	•	•		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	

SPRAY ANGLE	JAW	JBW	JCW	CODE	D	0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
120°	•	•		0780	0.91	0.32	0.45	0.64	0.78	0.90	1.01	1.19	1.42	2.01
	•	•		1120	1.10	0.49	0.69	0.98	1.20	1.39	1.55	1.83	2.19	3.10
	•	•		1160	1.30	0.65	0.92	1.31	1.60	1.85	2.07	2.44	2.92	4.13
	•	•		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	

HOW TO MAKE UP THE NOZZLE CODE

Ex.: JAA 1153 B1



(LARGE CAPACITY FLAT FAN NOZZLES) J

LARGE CAPACITY FLAT FAN NOZZLES

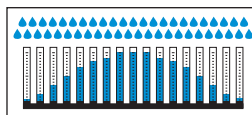
J series standard flat fan nozzles are available in a wide range of different capacities, spray angles, thread sizes and materials. The large capacity models produce a high-impact spray jet with a mist effect and a powerful washing action.



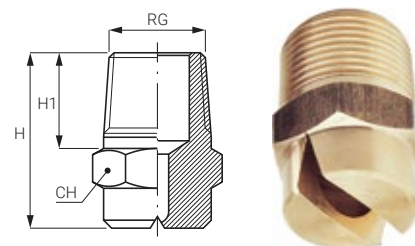
THREAD SPECIFICATION: BSPT, NPT



Spray section



Convex distribution



Spray Angle	1/2"	3/4"	1"	CODE	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°	•			JDA 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152	
	•			JDA 2780 xx	31.8	45.0	63.7	78.0	90.1	101	119	142	201	
		•		JEA 3134 xx	54.7	77.4	109	134	155	173	205	245	346	
		•		JEA 3275 xx	112	159	225	275	318	355	420	502	710	
			•	JFA 3390 xx	159	225	318	390	450	503	596	712	1007	
15°			•	JFA 3435 xx	178	251	355	435	502	562	664	794	1123	
	•			JDB 2195 xx	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
	•			JDB 2274 xx	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
25°		•		JDB 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101	
	•			JEB 2990 xx	40.4	57.2	80.8	99.0	114	128	151	181	256	
	•			JDD 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101	
	•			JDD 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152	
40°			•	JDD 2780 xx	31.8	45.0	63.7	78.0	90.1	101	119	142	201	
	•			JFD 3195 xx	79.6	113	159	195	225	252	298	356	503	
	•			JDL 2195 xx	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
	•			JDL 2240 xx	9.80	13.9	19.6	24.0	27.7	31.0	36.7	43.8	62.0	
	•			JDL 2274 xx	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
50°			•	JDL 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101	
	•			JDL 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152	
	•			JDN 2274 xx	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
	•			JDN 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101	
	•			JDN 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152	
65°		•		JDN 2780 xx	31.8	45.0	63.7	78.0	90.1	101	119	142	201	
			•	JEN 3158 xx	64.5	91.2	129	158	182	204	241	288	408	
	•			JFN 3195 xx	79.6	113	159	195	225	252	298	356	503	
	•			JFN 3230 xx	93.9	133	188	230	266	297	351	420	594	
	•			JDR 2195 xx	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
80°			•	JDR 2240 xx	9.80	13.9	19.6	24.0	27.7	31.0	36.7	43.8	62.0	
	•			JDR 2274 xx	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
	•			JDR 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101	
	•			JDR 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152	
	•			JFR 2780 xx	31.8	45.0	63.7	78.0	90.1	101	119	142	201	
95°		•		JDT 2195 xx	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
	•			JDT 2240 xx	9.80	13.9	19.6	24.0	27.7	31.0	36.7	43.8	62.0	
	•			JDT 2274 xx	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
	•			JDT 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101	
	•			JDT 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152	
95°		•		JDT 2780 xx	31.8	45.0	63.7	78.0	90.1	101	119	142	201	
	•			JET 2780 xx	31.8	45.0	63.7	78.0	90.1	101	119	142	201	
	•			JET 3158 xx	64.5	91.2	129	158	182	204	241	288	408	
	•			JDV 2195 xx	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
	•			JDV 2240 xx	9.80	13.9	19.6	24.0	27.7	31.0	36.7	43.8	62.0	

SPRAY ANGLE CODES

NOZZLE CODE	SPRAY ANGLE
JDA	0°
JDB	15°
JDD	25°
JDL	40°
JDN	50°
JDR	65°
JDT	80°
JDV	95°

DIMENSIONS AND WEIGHTS

Below are dimensions and specifications for use.

CODE	Dim.	H	H1	WS	W
	inch	mm	mm	mm	gr
JD	1/2"	33	17	22	65
JE	3/4"	41	20	27	130
JF	1"	61	22	27	215

TYPICAL APPLICATIONS

Washing: tanks, large parts and vehicles cleaning
Spray: spray of chemicals, disinfectants and lubricating fluids
Cooling: parts cooling, steel cooling
Other applications: water curtain to separate toxic gases, fire-fighting systems

HOW TO MAKE UP THE NOZZLE CODE

Ex.: JDA 2590 B1

