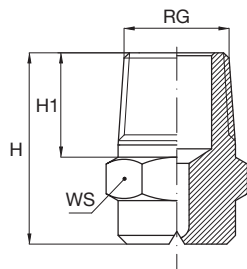




J



STANDARD CAPACITY TYPES

These standard model flat fan jet nozzles are available in a very wide range of flow rates, spray angles and materials. A tapered thread allows for a tight connection and a correct spray pattern orientation. The nozzles shown on this page cover the standard flow rates from 1.5 to 47 litres per minute, delivering high impact flat fan jet spray patterns with small to medium size droplets. Our flow capacity tables also include straight jet type nozzles with a 0° spray angle. These straight jets can be made on request out of any material that can be machined, in addition to the standard materials shown below.

Materials	B1	AISI 303 Stainless steel
	B31	AISI 316L Stainless steel
	T1	Brass

Spray angle codes

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

Thread size code (RG)

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

How to compose the nozzle code

The nozzle tips shown on this page can be supplied with seven different spray angles, with values indicated by the third digit in the nozzle code. Therefore the nozzle tip code is indicated as in the following example.

JBQ 1780 B31

60°


Codes for the different spray angles are listed in the table adjacent.

Spray Angle	JAA	JBA	JCA	Code	Capacity at different pressure values									
					0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20	
0°	•	•		1153	0.62	0.88	1.25	1.53	1.77	1.98	2.34	2.79	3.95	
	•	•		1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91	
	•	•		1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02	
	•	•		1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00	
	•	•		1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94	
	•	•		1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6	
	•	•		1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0	
	•	•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1	
	•	•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3	
	•	•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0	
	•	•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5	
	•	•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
	•	•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3	
	•	•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
	•	•	•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0	
•	•	•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100		
•	•	•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121		

Dimensions and weights

Code	Size	H	H1	WS	W
	inch	mm	mm	mm	gram
JA	1/8	19.5	11	12	9
JB	1/4	22	12	14	18
JC	3/8	25	14	17	34

STANDARD CAPACITY TYPES

	JAC	JBC	JCC	Code	Capacity at different pressure values								lpm bar	
					0.5	1.0	2.0	3.0	4.0	5.0	7.0	10		20
					20°	•			1153	0.62	0.88	1.25		1.53
	•			1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91	
	•			1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02	
	•			1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00	
	•	•		1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94	
	•	•		1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6	
	•	•		1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0	
		•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1	
		•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3	
		•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0	
		•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5	
		•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3	
		•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3	
		•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7	
		•	•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0	
			•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100	
			•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121	

	JAF	JBF	JCF	Code	0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
30°	•			1153	0.62	0.88	1.25	1.53	1.77	1.98	2.34	2.79	3.95
	•			1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91
	•			1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02
	•	•		1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00
	•	•		1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94
	•	•		1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6
	•	•		1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0
		•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1
		•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3
		•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0
		•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5
		•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
		•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3
		•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
		•	•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0
			•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100
			•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121

	JAM	JBM	JCM	Code	0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
45°	•			1153	0.62	0.88	1.25	1.53	1.77	1.98	2.34	2.79	3.95
	•			1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91
	•			1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02
	•	•		1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00
	•	•		1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94
	•	•		1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6
	•	•		1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0
		•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1
		•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3
		•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0
		•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5
		•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
		•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3
		•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
		•	•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0
			•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100
			•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121

Spray angle codes

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

Thread size code (RG)

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

J

**How to compose the nozzle code**

The nozzle tips shown on this page can be supplied with seven different spray angles, with values indicated by the third digit in the nozzle code. Therefore the nozzle tip code is indicated as in the following example.

**JBQ 1780 B31**

60°

Codes for the different spray angles are listed in the table adjacent.

STANDARD CAPACITY TYPES

60°	JAQ	JBQ	JCQ	Code	Capacity at different pressure values								lpm bar
					0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	
•	•	•		1153	0.62	0.88	1.25	1.53	1.77	1.98	2.34	2.79	3.95
•	•	•		1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91
•	•	•		1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02
•	•	•		1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00
•	•	•		1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94
•	•	•	•	1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6
•	•	•	•	1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0
		•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1
		•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3
		•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0
		•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5
		•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
		•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3
		•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
			•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0
			•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100
			•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121

90°	JAU	JBU	JCU	Code	0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
					•	•	•		1153	0.62	0.88	1.25	1.53
•	•	•		1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91
•	•	•		1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02
•	•	•	•	1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00
•	•	•	•	1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94
•	•	•	•	1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6
•	•	•	•	1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0
•	•	•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1
		•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3
		•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0
		•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5
		•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
		•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3
		•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
			•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0
			•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100
			•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121

120°	JAW	JBW	JCW	Code	0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	20
					•	•	•		1153	0.62	0.88	1.25	1.53
•	•	•		1190	0.78	1.10	1.55	1.90	2.19	2.45	2.90	3.47	4.91
•	•	•		1233	0.95	1.35	1.90	2.33	2.69	3.01	3.56	4.25	6.02
•	•	•	•	1310	1.27	1.79	2.53	3.10	3.58	4.00	4.74	5.66	8.00
•	•	•	•	1385	1.57	2.22	3.14	3.85	4.45	4.97	5.88	7.03	9.94
•	•	•	•	1490	2.00	2.83	4.00	4.90	5.66	6.33	7.48	8.95	12.6
•	•	•	•	1581	2.37	3.35	4.74	5.81	6.71	7.50	8.87	10.6	15.0
•	•	•	•	1780	3.18	4.50	6.37	7.80	9.01	10.1	11.9	14.2	20.1
•	•	•	•	1980	4.00	5.66	8.00	9.80	11.3	12.7	15.0	17.9	25.3
		•	•	2124	5.06	7.16	10.1	12.4	14.3	16.0	18.9	22.6	32.0
		•	•	2153	6.25	8.83	12.5	15.3	17.7	19.8	23.4	27.9	39.5
		•	•	2195	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
		•	•	2245	10.0	14.1	20.0	24.5	28.3	31.6	37.4	44.7	63.3
		•	•	2274	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
			•	2310	12.7	17.9	25.3	31.0	35.8	40.0	47.4	56.6	80.0
			•	2390	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	100
			•	2470	19.2	27.1	38.4	47.0	54.3	60.7	71.8	85.8	121

Spray angle codes

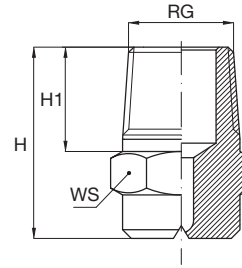
JBA	JBC	JBF	JBM	JBQ	JBU	JBW
0°	20°	30°	45°	60°	90°	120°

Thread size code (RG)

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

LARGE CAPACITY TYPES

These standard model flat fan jet nozzles are available in a very wide range of flow rates, spray angles and materials. A tapered thread allows for a tight connection and a correct spray pattern orientation. The nozzles shown on this page cover the standard flow rate range from 59 – 435 litres per minute, delivering high impact flat fan jet spray patterns with medium size droplets. Our flow capacity tables also include straight jet type nozzles with a 0° spray angle. These straight jets can be made on request out of any material that can be machined, in addition to the standard materials shown below.



- Materials      B1    AISI 303 Stainless steel  
                   B31   AISI 316L Stainless steel  
                   T1    Brass

Spray angle codes

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

Spray Angle	1/2"	3/4"	1"	Code	Capacity at different pressure values								lpm
					0.5	1.0	2.0	3.0	4.0	5.0	7.0	10	
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
			•	JFA 3435 xx	178	251	355	435	502	562	664	794	1123
15°	•			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
	•			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
25°	•			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
	•			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
40°	•			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
	•			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
50°	•			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
	•			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
65°	•			JDR 2195 xx	7.96	11.3	15.9	19.5	22.5	25.2	29.8	35.6	50.3
	•			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
80°	•			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
	•			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
95°	•			JDV 2240 xx	9.80	13.9	19.6	24.0	27.7	31.0	36.7	43.8	62.0
	•			JDV 2274 xx	11.2	15.8	22.4	27.4	31.6	35.4	41.9	50.0	70.7
	•			JDV 2390 xx	15.9	22.5	31.8	39.0	45.0	50.3	59.6	71.2	101
	•			JDV 2590 xx	24.1	34.1	48.2	59.0	68.1	76.2	90.1	108	152

Dimensions and weights

Code	JD	JE	JF
Size inch	1/2	3/4	1
H mm	33	41	61
H1 mm	17	20	22
WS mm	22	27	27
W grams	65	130	215