



THE
SPRAY NOZZLE
PEOPLE

BJ

Low Flow



FLAT FAN

DESIGN FEATURES

- ✓ Three-piece construction
- ✓ Interchangeable spray tips
- ✓ Integral strainer option
- ✓ Male or female connections

SPRAY CHARACTERISTICS

- ✓ Relatively coarse atomisation
- ✓ Uniform spray distribution with tapered edges for use in overlapping sprays
- ✓ Spray pattern: Flat Fan
- ✓ Spray angles: 0° to 120°
- ✓ Flow rates: 0.011 to 101 L/min



The BJ spray nozzle range is a low flow rate flat fan nozzle. It consists of three parts with a base, a spray tip and a cap nut (with an optional strainer). The base units and caps are universal meaning that spray tips can be swapped between base units.

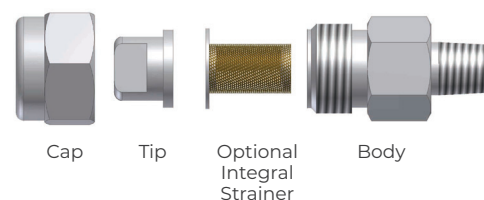
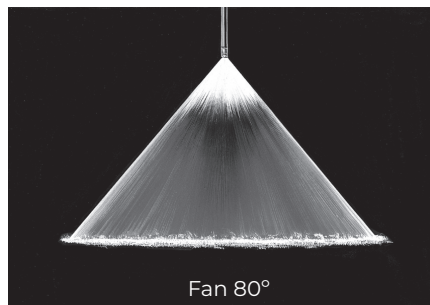
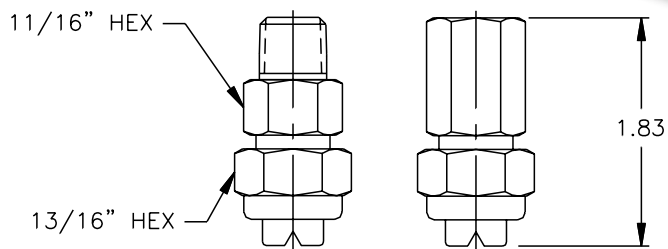
BJ Nozzles have a wide variety of uses. Common applications include:

Coating
Moistening
Lubrication
Spraying additives

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The Go-to People for spray nozzle solutions

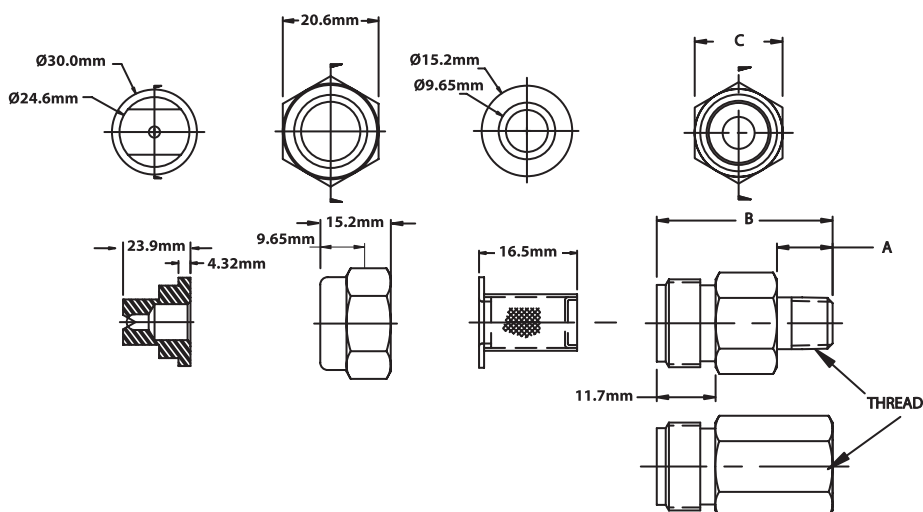


BJ Flow Rates

Fan, 0°, 15°, 25°, 40°, 50°, 65°, 80°, 95°, 110°, Spray Angles and 1/8", 1/4" and 3/8" BSP/NPT male/female
Standard Materials: Brass, 303 Stainless Steel and 316 Stainless Steel (for BJ01 and higher)

Thread Size	Nozzle No	Equiv Orifice Dia (mm)	K	Litres per minute @ bar										Optional Mesh Strainer Size	Wt (g)
				0.3 Bar	0.5 bar	0.7 bar	2 bar	4 bar	5 bar	10 bar	20 bar	30 bar	40 bar		
1/8"	BJ0067	0.58	0.153	0.084	0.11	0.13	0.22	0.31	0.34	0.48	0.68	0.84	0.97	100	28
	BJ0077	0.58	0.175	0.096	0.12	0.15	0.25	0.35	0.39	0.55	0.78	0.96	1.11		
	BJ01	0.71	0.228	0.12	0.16	0.19	0.32	0.46	0.51	0.72	1.02	1.25	1.44		
1/4"	BJ015	0.97	0.342	0.19	0.24	0.29	0.48	0.68	0.76	1.08	1.53	1.87	2.16	50	28
	BJ02	0.99	0.456	0.25	0.32	0.38	0.64	0.91	1.02	1.44	2.04	2.5	2.88		
	BJ03	1.19	0.684	0.37	0.48	0.57	0.97	1.37	1.53	2.16	3.06	3.74	4.32		
3/8"	BJ04	1.4	0.912	0.5	0.64	0.76	1.29	1.82	2.04	2.88	4.08	4.99	5.77	50	28
	BJ05	1.55	1.139	0.62	0.81	0.95	1.61	2.28	2.55	3.6	5.1	6.24	7.21		
	BJ06	1.7	1.367	0.75	0.97	1.14	1.93	2.73	3.06	4.32	6.11	7.49	8.65		
1/2"	BJ077	1.83	1.755	0.96	1.24	1.47	2.48	3.51	3.92	5.55	7.85	9.61	11.1	50	28
	BJ08	1.88	1.823	1	1.29	1.53	2.58	3.65	4.08	5.77	8.15	9.99	11.5		
	BJ10	2.18	2.279	1.25	1.61	1.91	3.22	4.56	5.1	7.21	10.2	12.5	14.4		
3/8" or 1/2"	BJ15	2.72	3.418	1.87	2.42	2.86	4.83	6.84	7.64	10.8	15.3	18.7	21.6	50	28
	BJ20	3.18	4.558	2.5	3.22	3.81	6.45	9.12	10.2	14.4	20.4	25	28.8		
	BJ30	3.67	6.837	3.74	4.83	5.72	9.67	13.7	15.3	21.6	30.6	37.4	43.2		
	BJ40	3.97	9.116	4.99	6.45	7.63	12.9	18.2	20.4	28.8	40.8	49.9	57.7		
	BJ50	4.37	11.394	6.24	8.06	9.53	16.1	22.8	25.5	36	51	62.4	72.1		
	BJ60	4.76	13.673	7.49	9.67	11.4	19.3	27.3	30.6	43.2	61.1	74.9	86.5		
	BJ70	5.16	15.952	8.74	11.3	13.3	22.6	31.9	35.7	50.4	71.3	87.4	101		

Flow Rate (l/min) = $K \sqrt{\text{bar}}$



Thread	A	B	C
1/8" Male	11.2	35.1	11/16"
1/8" Fem	N/A	35.1	11/16"
1/4" Male	14.2	35.1	11/16"
1/4" Fem	N/A	35.1	11/16"
3/8" Male	14.2	35.1	11/16"
3/8" Fem	N/A	35.1	13/16"
1/2" Male	15.7	35.1	7/8"
1/2" Fem	N/A	35.1	1 1/8"

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

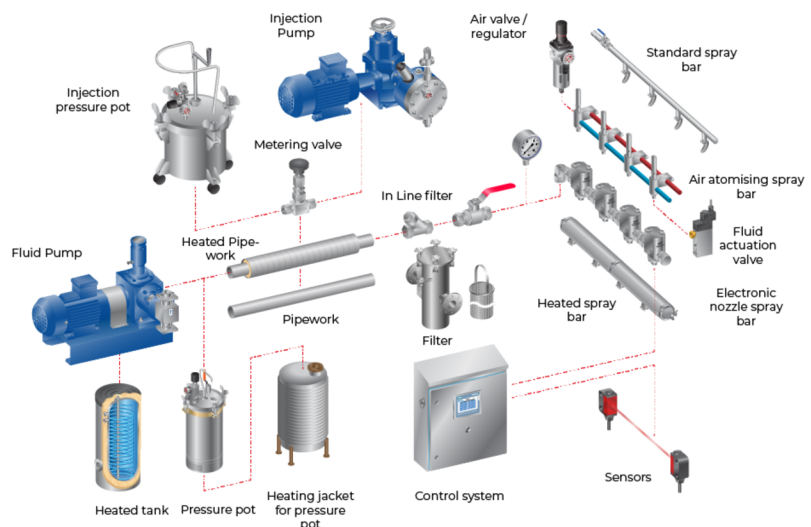
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
- ✓ Seamless integration with existing processes
- ✓ Built to budget and ROI targets
- ✓ End-to-end support: design, install, maintain



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