



THE
SPRAY NOZZLE
PEOPLE

NF

Standard Fan Nozzle



FLAT FAN

DESIGN FEATURES

- ✓ One-piece construction
- ✓ No internal parts
- ✓ Sizes for all applications
- ✓ Male connection

SPRAY CHARACTERISTICS

- ✓ High impact
- ✓ Uniform distribution with tapered edges for overlapping sprays
- ✓ Extra-wide angles available
- ✓ Spray pattern: Fan and Straight Jet
- ✓ Spray angles: 0° to 120°
- ✓ Flow rates: 0.161 to 3430 l/min



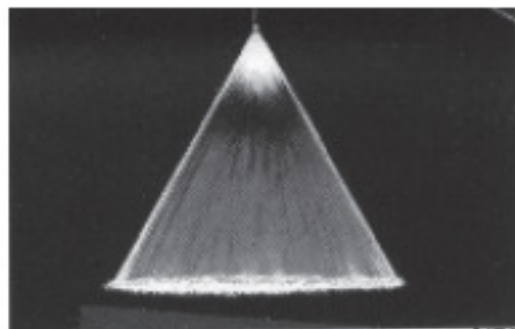
The NF nozzle is a standard flat fan nozzle. It is one of the most versatile spray nozzles with 9 different spray angles, 33 standard sizes and manufactured in many materials (metals and plastics). The NF is used in a huge array of applications including:

Coating
Washing
Moistening
Spraying additives
And many more.

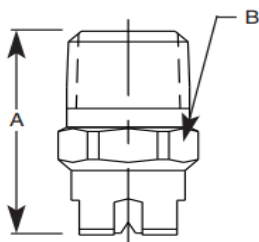
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The Go-to People for spray nozzle solutions



Fan 50°



3/8" - 2" Metal

NF Flow Rates

Fan & Straight Jet, 0°, 15°, 30°, 50°, 65°, 80°, 90°, 110°, 120° Spray Angles, 1/8" to 2" Pipe Sizes
Standard materials: Brass, 303 and 316 Stainless Steel, PVC, and PTFE (PTFE n/a in NF 025 and under)

Male Pipe Size	Nozzle No.	K Factor	Litres Per Minute @ BAR								Equiv Orifice Dia. (mm)
			0.5 BAR	0.7 BAR	1 BAR	2 BAR	3 BAR	5 BAR	10 BAR	20 BAR	
1/8" or 1/4"	NF01	0.228	0.16	0.19	0.23	0.32	0.39	0.51	0.72	1.25	0.66
	NF015	0.342	0.24	0.29	0.34	0.48	0.59	0.76	1.08	1.87	0.79
	NF02	0.455	0.32	0.38	0.46	0.64	0.79	1.02	1.44	2.49	0.91
	NF025	0.569	0.4	0.48	0.57	0.81	0.99	1.27	1.8	3.12	1.02
	NF03	0.683	0.48	0.57	0.68	0.97	1.18	1.53	2.16	3.74	1.09
	NF04	0.911	0.64	0.76	0.91	1.29	1.58	2.04	2.88	4.99	1.32
	NF05	1.14	0.81	0.95	1.14	1.61	1.97	2.55	3.6	6.24	1.45
	NF06	1.37	0.97	1.14	1.37	1.93	2.37	3.06	4.33	7.49	1.57
1/8" or 1/4" or 3/8"	NF08	1.82	1.28	1.52	1.82	2.57	3.15	4.06	5.74	9.95	1.83
	NF10	2.28	1.61	1.91	2.28	3.22	3.95	5.1	7.21	12.5	2.03
	NF15	3.42	2.42	2.86	3.42	4.83	5.92	7.64	10.8	18.7	2.38
	NF20	4.56	3.22	3.81	4.56	6.45	7.89	10.2	14.4	25	2.78
	NF30	6.84	4.83	5.72	6.84	9.67	11.8	15.3	21.6	37.4	3.57
	NF40	9.12	6.45	7.63	9.12	12.9	15.8	20.4	28.8	49.9	3.97
	NF50	11.4	8.06	9.53	11.4	16.1	19.7	25.5	36	62.4	4.37
	NF60	13.7	9.67	11.4	13.7	19.3	23.7	30.6	43.2	74.9	4.76
1/4" or 3/8"	NF70	16	11.3	13.3	16	22.6	27.6	35.7	50.4	87.4	5.16
	NF60	13.7	9.67	11.4	13.7	19.3	23.7	30.6	43.2	74.9	4.76
	NF70	16	11.3	13.3	16	22.6	27.6	35.7	50.4	87.4	5.16
	NF80	18.2	12.9	15.3	18.2	25.8	31.6	40.8	57.7	99.9	5.56
	NF90	20.5	14.5	17.2	20.5	29	35.5	45.9	64.9	112	5.95
	NF100	22.8	16.1	19.1	22.8	32.2	39.5	51	72.1	125	6.35
	NF120	27.3	19.3	22.9	27.3	38.7	47.4	61.1	86.5	150	6.75
	NF150	34.2	24.2	28.6	34.2	48.3	59.2	76.4	108	187	7.54
1/2"	NF200	45.6	32.2	38.1	45.6	64.5	78.9	102	144	250	8.73
	NF300	68.4	48.3	57.2	68.4	96.7	118	153	216	374	10.7
	NF400	91.2	64.5	76.3	91.2	129	158	204	288	499	12.7
	NF400	91.2	64.5	76.3	91.2	129	158	204	288	499	12.7
	NF750	171	121	143	171	242	296	382	540	936	17.5
	NF800	182	129	153	182	258	316	408	577	999	18.3
	NF1150	262	185	219	262	371	454	586	829	1440	21.8
	NF1500	342	242	286	342	483	592	764	1080	1870	24.6
2"	NF2250	513	362	429	513	725	890	1150	1620	2810	30.2

NF Dimensions

BSP or NPT

Pipe Size	Dims Metal (mm)		Weight (g)	
	A	B	Metal	Plas.
1/8"	22.2	11.1	28.4	7.09
1/4"	27	14.3	42.5	10.6
3/8"	31.8	17.5	56.7	14.2
1/2"	38.1	22.2	85.1	28.4
3/4"	44.5	28.6	170	42.5
1"	55.6	34.9	227	56.7
1 1/4"	63.5	44.5	340	85.1
1 1/2"	76.2	50.8	567	142
2"	88.9	63.5	1588	284

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.

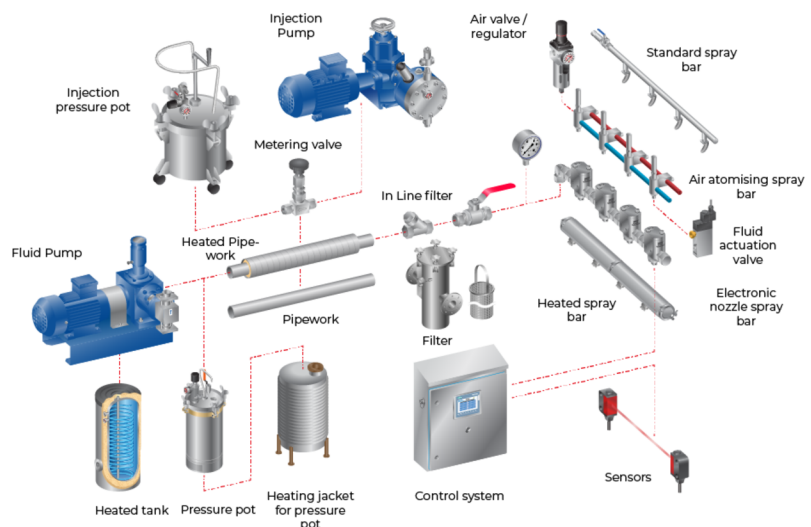
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



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



THE GO-TO PEOPLE FOR SUCCESSFUL SPRAY ENGINEERING