

NF

Standard Fan Nozzle

DESIGN FEATURES

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

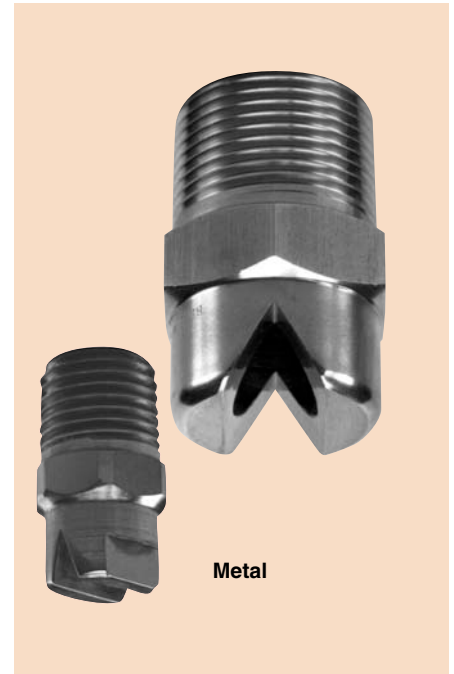
SPRAY CHARACTERISTICS

- 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°

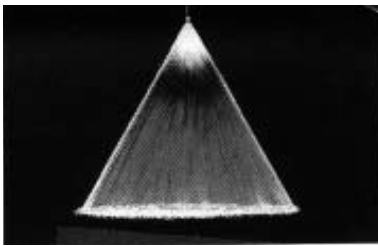
Flow rates: 0.161 to 3430 l/min



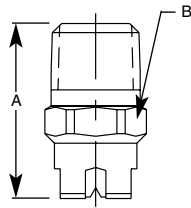
Metal



FAN



Fan 50°



3/8" - 2" Metal

Dimensions are approximate. Check with BETE for critical dimension applications.

NF Flow Rates

Call BETE to verify spray angle performance at operating pressures above 5 bar.

Fan and Straight Jet, 0°, 15°, 30°, 50°, 65°, 80°, 90°, 110°, and 120° Spray Angles, 1/8" to 2" Pipe Sizes

NF Dimensions BSP or NPT

Male Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR								Equivalent Orifice Dia. (mm)	Pipe Size	Dim. for Metal Only (mm)		Wt. (g) Metal Plas.	
			0.5 bar	0.7 bar	1 bar	2 bar	3 bar	5 bar	10 bar	30 bar			A	B		
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	1/8	22.2	11.1	28.4	7.09
	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	0.40	0.48	0.57	0.81	0.99	1.27	1.80	3.12	1.02					
1/4 or 3/8	NF03	0.683	0.48	0.57	0.68	0.97	1.18	1.53	2.16	3.74	1.09	1/4	27.0	14.3	42.5	10.6
	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	3.60	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	3/8	31.8	17.5	56.7	14.2
	NF10	2.28	1.61	1.91	2.28	3.22	3.95	5.10	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	25.0	2.78					
1/4 or 3/8	NF30	6.84	4.83	5.72	6.84	9.67	11.8	15.3	21.6	37.4	3.57	1/2	38.1	22.2	85.1	28.4
	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	36.0	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					
3/8 or 1/2	NF70	16.0	11.3	13.3	16.0	22.6	27.6	35.7	50.4	87.4	5.16	3/4	44.5	28.6	170	42.5
	NF60	13.7	9.67	11.4	13.7	19.3	23.7	30.6	43.2	74.9	4.76					
	NF70	16.0	11.3	13.3	16.0	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					
1/2 or 3/4	NF90	20.5	14.5	17.2	20.5	29.0	35.5	45.9	64.9	112	5.95	1	55.6	34.9	227	56.7
	NF100	22.8	16.1	19.1	22.8	32.2	39.5	51.0	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					
3/4 or 1	NF200	45.6	32.2	38.1	45.6	64.5	78.9	102	144	250	8.73	1 1/4	63.5	44.5	340	85.1
	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					
	NF750	171	121	143	171	242	296	382	540	936	17.5					
1 or 1 1/4	NF800	182	129	153	182	258	316	408	577	999	18.3	1 1/2	76.2	50.8	567	142
	NF1150	262	185	219	262	371	454	586	829	1440	21.8					
	NF1500	342	242	286	342	483	592	764	1080	1870	24.6					
	NF2250	513	362	429	513	725	890	1150	1620	2810	30.2					

Flow Rate (l/min) = $K \sqrt{\text{bar}}$ Standard Materials: Brass, 303 Stainless Steel, 316 Stainless Steel, PVC and PTFE (PTFE not available in nozzle numbers NF025 and under).

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.