

NFV

Fan Nozzle with Integral Strainer Option

DESIGN FEATURES

- One-piece construction
- No internal parts
- Male connection
- Low nozzle maintenance
- Optional removable strainer for easy cleaning

Connections: Male NPT and BSP

Optional Strainer: 50, 100, 200 mesh

SPRAY CHARACTERISTICS

- High impact
- Uniform distribution

Spray pattern: Flat Fan and Straight Jet

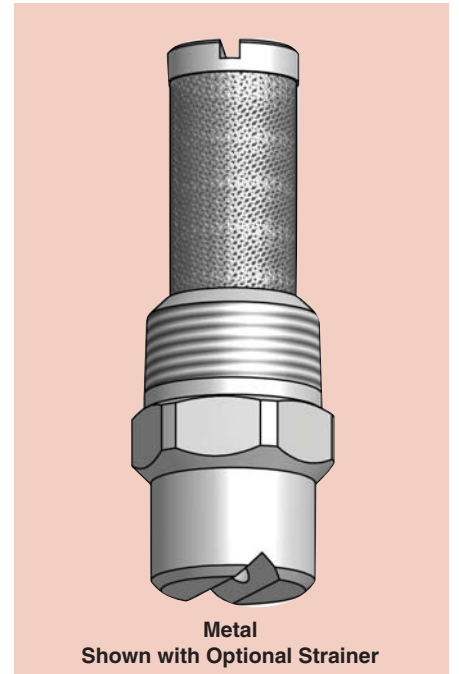
Spray angles: 0°, 15°, 25°, 40°, 50°, 65°, 80°, 95°, 110°

NFV0017: Max. spray angle available 80°

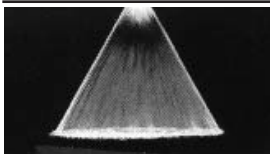
NFV0025: Max. spray angle available 80°

NFV0033 - NFV0067: Max. spray angle available 95°

Flow rates: 0.011 to 12.6 gpm



FAN

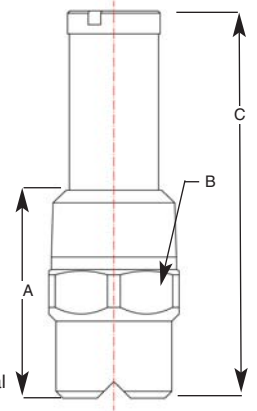


Fan 50°

Call BETE to verify spray angle performance at operating pressures above 70 psi.

NFV Dimensions

Pipe Size	Dimensions (in.)			Wt. (oz.)
	A	B	C	
1/8	0.88	0.44	1.49	1.00
1/4	1.06	0.56	1.69	1.50



1/8" - 1/4" Metal

To Order: Spray Set-up Number

1/4 NFV 0067 95 -L -B 303

pipe size series nozzle number spray angle optional strainer, also specify mesh size specify material

BSP thread

NFV Flow Rates

Fan and Straight Jet, 0°, 15°, 25°, 40°, 50°, 65°, 80° (all sizes); 95° (NFV0033 and higher); 110° (NFV01 and higher)

Male Pipe Size	Nozzle Number	K Factor	GALLONS PER MINUTE @ PSI										Equiv. Orifice Dia. (in.)	Screen Mesh Selection Guide
			15 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	400 PSI		
1/8"	NFV0017**	0.0027	0.011	0.012	0.015	0.017	0.021	0.024	0.027	0.032	0.038	0.054	0.011	200
	NFV0025**	0.0040	0.015	0.018	0.022	0.025	0.031	0.036	0.040	0.049	0.057	0.080	0.014	200
	NFV0033**	0.0052	0.020	0.023	0.028	0.033	0.040	0.047	0.052	0.063	0.074	0.105	0.015	200
	NFV005**	0.0079	0.030	0.035	0.042	0.050	0.061	0.071	0.079	0.095	0.110	0.160	0.020	100
	NFV0067**	0.0106	0.041	0.047	0.057	0.067	0.082	0.095	0.110	0.130	0.150	0.210	0.023	100
or 1/4"	NFV01	0.0158	0.06	0.07	0.09	0.10	0.12	0.14	0.16	0.19	0.22	0.32	0.026	100
	NFV015	0.0237	0.09	0.11	0.13	0.15	0.18	0.21	0.24	0.29	0.34	0.47	0.031	100
	NFV02	0.0316	0.12	0.14	0.17	0.20	0.25	0.28	0.32	0.39	0.45	0.63	0.036	100
	NFV025	0.0395	0.15	0.18	0.22	0.25	0.31	0.35	0.40	0.48	0.56	0.79	0.040	50
	NFV03	0.0474	0.18	0.21	0.26	0.30	0.37	0.42	0.47	0.58	0.67	0.95	0.043	50
	NFV04	0.0632	0.25	0.28	0.35	0.40	0.49	0.57	0.63	0.78	0.89	1.25	0.052	50
	NFV05	0.0791	0.31	0.35	0.43	0.50	0.61	0.71	0.79	0.97	1.12	1.58	0.057	50
	NFV06	0.0949	0.37	0.42	0.52	0.60	0.74	0.85	0.95	1.16	1.34	1.90	0.062	50
	NFV07	0.111	0.43	0.50	0.61	0.70	0.86	0.99	1.11	1.36	1.57	2.22	0.082	50
	NFV08	0.126	0.49	0.57	0.69	0.80	0.98	1.13	1.26	1.55	1.79	2.53	0.072	50
	NFV10	0.158	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	2.24	3.16	0.080	50
	NFV15	0.237	0.92	1.06	1.30	1.50	1.84	2.12	2.37	2.90	3.35	4.74	0.094	50
	NFV20	0.316	1.22	1.41	1.73	2.00	2.45	2.83	3.16	3.87	4.47	6.32	0.109	50
	NFV30	0.474	1.84	2.12	2.60	3.00	3.67	4.24	4.74	5.81	6.71	9.49	0.141	50
	NFV40	0.632	2.45	2.45	3.46	4.00	4.90	5.66	6.32	7.75	8.94	12.60	0.156	50

**NFV0017: Max. spray angle available: 80°; NFV0025: Max. spray angle available: 80°; NFV0033 - NFV0067: Max. spray angle available: 95°

Flow Rate (GPM) = $K \sqrt{PSI}$ Standard Materials: Brass and 303 Stainless Steel. Highlighted NFVs available in 316 Stainless Steel.

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

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CALL 413-772-0846
Call for the name of your nearest BETE representative.