

# 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

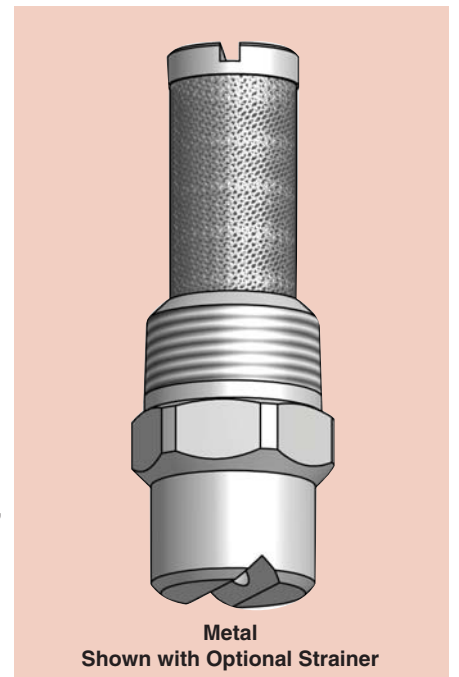
**Spray angles:** 0°, 15°, 25°, 40°, 50°, 65°, 80°, 95°, 110°

NFV0017: Max. spray angle available 80°

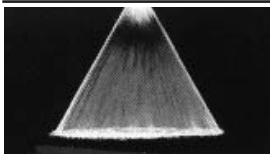
NFV0025: Max. spray angle available 80°

NFV0033 - NFV0067: Max. spray angle available 95°

**Flow rates:** 0.039 to 49.85 L/min



FAN

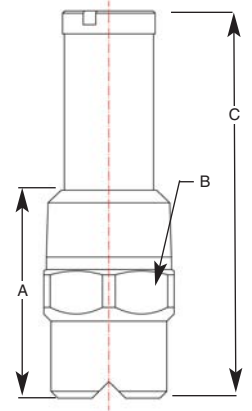


Fan 50°

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

### NFV Dimensions

Pipe Size	Dimensions (mm)			Mass (g)
	A	B	C	
1/8	22.4	11.2	37.9	28.4
1/4	26.9	14.2	42.9	42.5



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	LITERS PER MINUTE @ BAR					Equiv. Orifice Dia. (mm)	Screen Mesh Selection Guide
			1 bar	2 bar	3 bar	5 bar	10 bar		
1/8"	NFV0017**	0.039	0.039	0.055	0.067	0.087	0.12	0.21	200
	NFV0025**	0.057	0.057	0.081	0.099	0.13	0.18	0.31	200
	NFV0033**	0.075	0.075	0.11	0.13	0.17	0.24	0.41	200
	NFV005**	0.114	0.11	0.16	0.20	0.25	0.36	0.62	100
	NFV0067**	0.153	0.15	0.22	0.26	0.34	0.48	0.84	100
or	NFV01	0.228	0.23	0.32	0.39	0.51	0.72	1.25	100
	NFV015	0.342	0.34	0.48	0.59	0.76	1.08	1.87	100
1/4"	NFV02	0.456	0.46	0.64	0.79	1.02	1.44	2.50	100
	NFV025	0.569	0.57	0.80	0.99	1.27	1.80	3.12	50
	NFV03	0.684	0.68	0.97	1.18	1.53	2.16	3.75	50
	NFV04	0.912	0.91	1.29	1.58	2.04	2.88	5.00	50
	NFV05	1.139	1.14	1.61	1.97	2.55	3.60	6.24	50
	NFV06	1.367	1.37	1.93	2.37	3.06	4.32	7.48	50
	NFV07	1.598	1.60	2.26	2.77	3.57	5.05	8.75	50
	NFV08	1.823	1.82	2.58	3.16	4.08	5.76	9.98	50
	NFV10	2.279	2.28	3.22	3.95	5.10	7.21	12.48	50
	NFV15	3.418	3.42	4.83	5.92	7.64	10.81	18.72	50
	NFV20	4.550	4.55	6.44	7.88	10.18	14.39	24.92	50
	NFV30	6.826	6.83	9.65	11.82	15.26	21.58	37.39	50
	NFV40	9.101	9.10	12.87	15.76	20.35	28.78	49.85	50

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

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