NFV

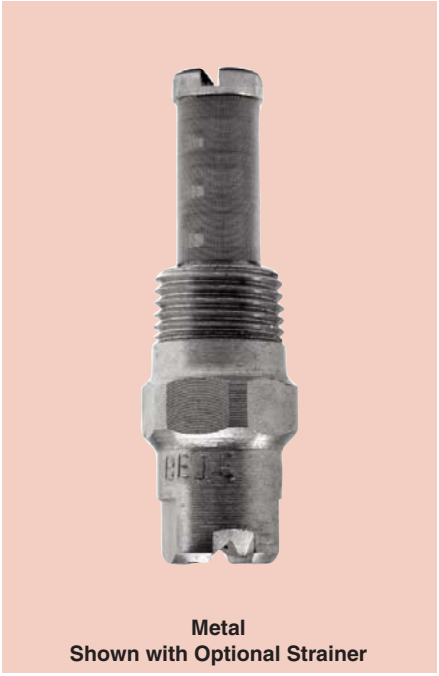
Fan Nozzle with Integral Strainer Option

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

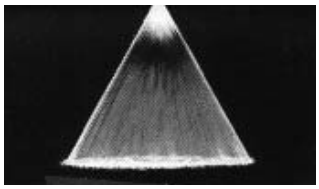
Connections: Male NPT and BSP
Optional Strainer: 50, 100, 200 mesh

SPRAY CHARACTERISTICS
- High impact
- Uniform distribution

Spray pattern: Flat Fan and Straight Jet
Spray angles: 0°, 15°, 25°, 40°, 50°, 65°, 80°, 95° and 110°
Flow rates: 0.039 to 49.85 l/min



Metal
Shown with Optional Strainer



Fan 50°

Call BETE to verify spray angle performance at operating pressures above 30 bar.

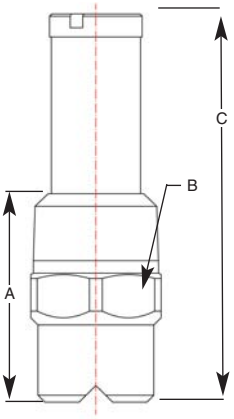
To Order: Spray Set-up Number

1/4 NFV 0067 95 -L -B 303

- 1/4 — pipe size
- NFV — series
- 0067 — nozzle number
- 95 — spray angle
- -L — optional strainer, also specify mesh size
- -B — BSP thread
- 303 — specify material

NFV Dimensions

Pipe Size	Dimensions (mm) A	B	C	Wt. (g)
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

NFV Flow Rates

Fan and Straight Jet, 0°, 15°, 25°, 40°, 50°, 65°, 80°, 95°, and 110°, 1/8" and 1/4" Pipe Sizes

Male Pipe Size	Nozzle Number	K Factor	LITERS PER MINUTE @ BAR 1 bar	2 bar	3 bar	5 bar	10 bar	30 bar	Equiv. Orifice Dia. (mm)	Screen Mesh Selection Guide
	NFV0017	0.039	0.039	0.055	0.067	0.087	0.12	0.21	0.28	200
	NFV0025	0.057	0.057	0.081	0.099	0.13	0.18	0.31	0.36	200
	NFV0033	0.075	0.075	0.11	0.13	0.17	0.24	0.41	0.38	200
1/8"	NFV005	0.114	0.11	0.16	0.20	0.25	0.36	0.62	0.51	100
	NFV0067	0.153	0.15	0.22	0.26	0.34	0.48	0.84	0.58	100
or	NFV01	0.228	0.23	0.32	0.39	0.51	0.72	1.25	0.66	100
	NFV015	0.342	0.34	0.48	0.59	0.76	1.08	1.87	0.79	100
	NFV02	0.456	0.46	0.64	0.79	1.02	1.44	2.50	0.91	100
1/4"	NFV025	0.569	0.57	0.80	0.99	1.27	1.80	3.12	1.02	50
	NFV03	0.684	0.68	0.97	1.18	1.53	2.16	3.75	1.09	50
	NFV04	0.912	0.91	1.29	1.58	2.04	2.88	5.00	1.32	50
	NFV05	1.139	1.14	1.61	1.97	2.55	3.60	6.24	1.45	50
	NFV06	1.367	1.37	1.93	2.37	3.06	4.32	7.48	1.57	50
	NFV07	1.598	1.60	2.26	2.77	3.57	5.05	8.75	2.08	50
	NFV08	1.823	1.82	2.58	3.16	4.08	5.76	9.98	1.83	50
	NFV10	2.279	2.28	3.22	3.95	5.10	7.21	12.48	2.03	50
	NFV15	3.418	3.42	4.83	5.92	7.64	10.81	18.72	2.39	50
	NFV20	4.550	4.55	6.44	7.88	10.18	14.39	24.92	2.77	50
	NFV30	6.826	6.83	9.65	11.82	15.26	21.58	37.39	3.58	50
	NFV40	9.101	9.10	12.87	15.76	20.35	28.78	49.85	3.96	50

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

***TO ORDER:** specify pipe size, connection type, nozzle number, spray angle, and material.*