

SS

Small Droplet Size Dense Fog

DESIGN FEATURES

- Multiple flat fan patterns
- Solid one-piece construction
- Female connection

SPRAY CHARACTERISTICS

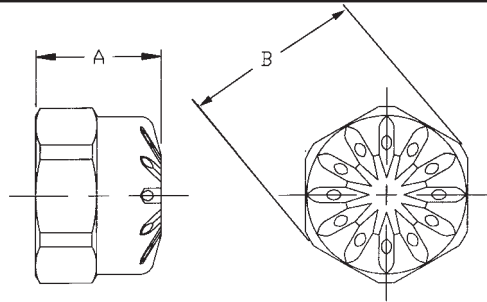
- Relatively small droplets
- Spray pattern:** Dense full cone
Flow rates: 2.40 to 157 gpm
Spray angles: **SS4.8** thru **SS25** - 35°
SS35 thru **SS70** - 45°



Metal



Fog



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

SS Flow Rates and Dimensions

Full Cone, 3/4", 1" and 1-1/4" Pipe Size

Female Pipe Size	Nozzle Number	K Factor	GALLONS PER MINUTE @ PSI										Dimensions (in.)		Wt. (oz.)
			10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	A	B	
3/4	SS4.8	0.759	2.40	3.39	4.16	4.80	5.37	5.88	6.79	7.59	9.3	10.7	1.0	1.38	3
	SS9	1.42	4.50	6.36	7.79	9.00	10.1	11.0	12.7	14.2	17.4	20.1			
	SS12	1.90	6.00	8.49	10.4	12.0	13.4	14.7	17.0	19.0	23.2	26.8			
	SS18	2.85	9.00	12.7	15.6	18.0	20.1	22.0	25.5	28.5	34.9	40.2			
1	SS25	3.95	12.5	17.7	21.7	25.0	28.0	30.6	35.4	39.5	48.4	55.9	1.16	1.66	5
	SS35	5.53	17.5	24.7	30.3	35.0	39.1	42.9	49.5	55.3	67.8	78.3			
1 1/4	SS50	7.91	25.0	35.4	43.3	50.0	55.9	61.2	70.7	79.1	96.8	112	1.22	2.09	8
	SS70	11.1	35.0	49.5	60.6	70.0	78.3	85.7	99.0	111	136	157			

$$\text{Flow Rate (GPM)} = K \sqrt{\text{PSI}}$$

Standard Materials: Brass, 303 and 316 Stainless Steel.

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

SPECIAL PURPOSE

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