

TF

FM Approved

DESIGN FEATURES

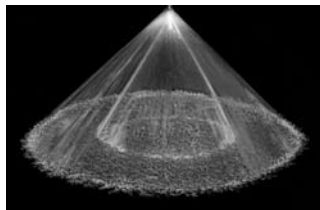
- The original spiral nozzle invented by BETE and continuously improved!
- High energy efficiency
- Provided with required filter
- Clog-resistant performance
- High discharge velocity

SPRAY CHARACTERISTICS

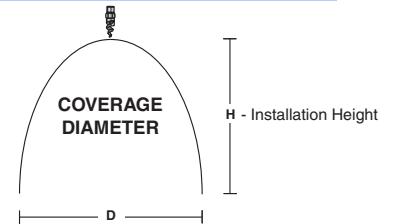
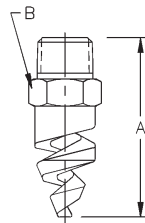
- Fine atomization
- Spray patterns:** Full Cone
- Nominal spray angles:** 60° and 90°
- Flow rates:** 11.0 to 19.0 L/min
0.92 to 5.03 gpm



Full Cone 60° (NN)



Full Cone 90° (FCN)



COVERAGE WITH NOZZLE INSTALLED VERTICALLY DOWN

TF8NN, 60° Nominal Spray Angle					
50 PSI		100 PSI		150 PSI	
56° Measured Spray Angle		56° Measured Spray Angle		58° Measured Spray Angle	
H (ft)	D (ft)	H (ft)	D (ft)	H (ft)	D (ft)
1.00	1.10	1.00	1.20	1.00	1.20
2.00	2.00	2.00	2.00	2.00	2.00
3.00	2.70	3.00	2.70	3.00	2.60
4.00	3.40	4.00	3.50	4.00	3.30
5.00	4.00	5.00	4.30	5.00	4.00
6.00	4.80	6.00	4.80	6.00	4.20

TF8FCN, 90° Nominal Spray Angle					
50 PSI		100 PSI		150 PSI	
80° Measured Spray Angle		88° Measured Spray Angle		90° Measured Spray Angle	
H (ft)	D (ft)	H (ft)	D (ft)	H (ft)	D (ft)
1.00	2.00	1.00	2.20	1.00	2.20
2.00	3.00	2.00	4.00	2.00	4.00
3.00	4.00	3.00	5.20	3.00	5.00
4.00	5.00	4.00	6.40	4.00	6.00
5.00	6.00	5.00	8.00	5.00	7.00
6.00	7.00	6.00	8.40	6.00	8.00

Dimensions are approximate. Check with BETE when nozzle dimensions are critical.

TF Full Cone Flow Rates and Dimensions

Male Pipe Size	Nozzle Number	Available Nominal Spray Angles	K Factor	LITERS PER MINUTE @ BAR			Approx. (mm)		Dimensions (mm)		Mass (g)
				3.4 bar	6.9 bar	10.3 bar	Orif. Dia.	Free Pass. Dia.	A	B	
1/4	TF8	60°, 90°	5.93	11.0	15.5	19.0	3.2	1.6	47.6	14.3	35

Male Pipe Size	Nozzle Number	Available Nominal Spray Angles	K Factor	GALLONS PER MINUTE @ PSI			Approx. (in.)		Dimensions (in.)		Weight (oz.)
				50 PSI	100 PSI	150 PSI	Orif. Dia.	Free Pass. Dia.	A	B	
1/4	TF8	60°, 90°	0.411	0.92	4.11	5.03	0.13	0.06	1.88	0.56	1.25

Flow Rate (GPM) = K (PSI)^{0.50}

The included filter has a maximum opening size of 0.047" (1.2 mm).

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