

TF24

FM Approved

DESIGN FEATURES

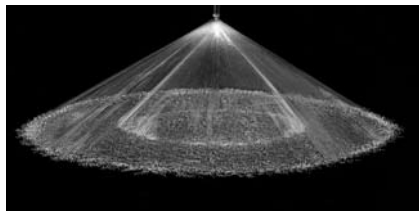
- The original spiral nozzle invented by BETE and continuously improved!
- High energy efficiency
- Clog-resistant performance
- High discharge velocity

SPRAY CHARACTERISTICS

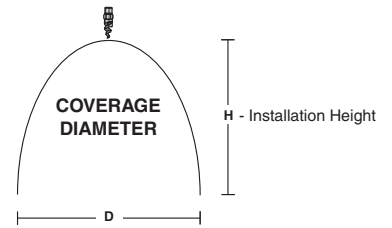
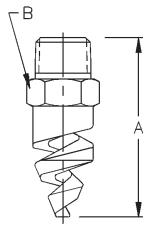
- Fine atomization
- Spray patterns:** Full Cone
- Nominal spray angles:** 150°
- Flow rates:** 26.9 to 46.7 gpm
101 to 176 L/min



Nozzles require a main line strainer.



Full Cone 150°



COVERAGE WITH NOZZLE INSTALLED VERTICALLY DOWN

TF24, 150° Nominal Spray Angle			
50 PSI		150 PSI	
153° Measured Spray Angle		148° Measured Spray Angle	
H (ft)	D (ft)	H (ft)	D (ft)
1.00	8.00	1.00	7.50
2.00	13.0	2.00	9.00
3.00	17.0	3.00	11.5
4.00	20.0	4.00	12.0

TF24, 150° Nominal Spray Angle			
3.4 BAR		10.3 BAR	
153° Measured Spray Angle		148° Measured Spray Angle	
H (m)	D (m)	H (m)	D (m)
0.30	2.40	0.30	2.30
0.61	4.00	0.61	2.70
0.91	5.20	0.91	3.50
1.20	6.10	1.20	3.70

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	GALLONS PER MINUTE @ PSI		Approx. (in.)		Dimensions (in.)		Weight (oz)
				50 PSI	150 PSI	Orif. Dia.	Free Pass. Dia.	A	B	
1/2	TF24	150°	3.81	26.9	46.7	0.38	0.19	2.50	0.88	2.50

Male Pipe Size	Nozzle Number	Available Nominal Spray Angles	K Factor	LITERS PER MINUTE @ BAR		Approx. (mm)		Dimensions (mm)		Mass (g.)
				3.4 bar	10.3 bar	Orif. Dia.	Free Pass. Dia.	A	B	
1/2	TF24	150°	54.9	101	176	9.53	4.76	63.5	22.2	85.0

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

Flow Rate (L/min) = K (BAR)^{0.50}

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