

TF Spiral Hollow Cone



The TF spiral hollow cone nozzle is highly energy efficient with a high discharge velocity. It is a one-piece construction with no internal parts, and is clog resistant. It is available with a wide range of flow rates and spray angles. It is used for cooling, dust control, fire protection, humidification, and fogging & misting.

Construction

Constructed from brass, SS316, PVC, PTFE, and polypropylene*

*not available in all sizes



180° metal



50° metal



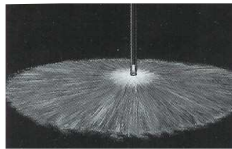
150° : 170° metal



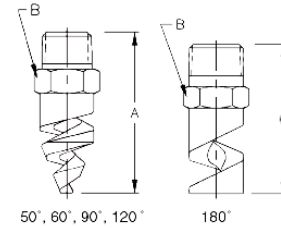
Hollow cone 50°



Hollow cone 120°



Hollow cone 180°



Model No	Male Pipe Size	Spray angles					Lpm @ bar								Approx (mm)		Approx dims. (mm) for Metal only**		
		50	60	90	120	180	0.5	0.7	1	2	3	5	10	20	Orif dia	Free pass dia	A	B	C
TF6	1/4	•	•	•	•	•	2.26	2.67	3.19	4.5	5.5	7.1	10.1	14.3	2.38	2.38	42.9	14.3	
TF8		•	•	•	•	•	4.19	4.96	5.93	8.4	10.3	13.2	18.7	26.5	3.18	3.18	47.6	14.3	47.6
TF10		•	•	•	•	•	6.45	7.63	9.12	12.9	15.8	20.4	28.8	40.8	3.97	3.18	47.6	14.3	47.6
TF12	3/8	•	•	•	•	•	9.7	11.4	13.7	19.3	23.7	30.6	43.2	61.1	4.76	3.18	47.6	17.5*	47.6
TF14		•	•	•	•	•	13.1	15.4	18.5	26.1	32.0	41.3	58.4	82.6	5.56	3.18			
TF16		•	•	•	•	•	17.1	20.2	24.2	34.2	41.8	54.0	76.4	108	6.35	3.18			
TF20		•	•	•	•	•	26.6	31.5	37.6	53.2	65.1	84.1	119	168	7.94	3.18			
TF24	1/2	•	•	•	•	•	38.8	46.0	54.9	77.7	95.1	123	174	246	9.53	4.76	63.5	22.2	60.5
TF28		•	•	•	•	•	53.2	62.9	75.2	108	130	168	238	336	11.1	4.76			
TF32	3/4	•	•	•	•	•	67.7	80.1	95.7	135	166	214	303	428	12.7	4.76	69.9	28.6	76.2
TF40	1	•	•	•	•	•	108	128	153	216	264	341	483	683	15.9	6.35	92.1	34.9	92.1
TF48		•	•	•	•	•	153	181	216	306	375	484	685	968	19.1	6.35			
TF56	1 1/2	•	•	•	•	•	208	246	294	416	509	657	930	1320	22.2	7.94	111	50.9	111
TF64		•	•	•	•	•	272	322	385	545	667	861	1220	1720	25.4	7.94			
TF72		•	•	•	•	•	309	366	438	619	758	978	1380	1960	28.6	7.94			
TF88	2	•	•	•	•	•	451	534	638	902	1110	1430	2020	2850	34.9	11.1	143	63.5	127
TF96		•	•	•	•	•	570	674	806	1140	1400	1800	2550	3600	38.1	11.1	176	63.5	127
TF112	3	•	•	•	•	•	825	976	1170	1650	2020	2610	3690	5220	44.5	14.3	219	88.9	
TF128		•	•	•	•	•	1090	1290	1550	2190	2680	3480	4891	6920	50.8	14.3			
TF160	4	•	•	•	•	•	1690	2000	2390	3380	4140	5350	7570	10700	63.5	15.98	257	114	

** Dimensions are for bar stock, cast sizes may vary
Plastic spirals should not be used above 1 bar



Above 5 bar not recommended for PTFE

High pressure operation recommended for metal only

Specifications

Flow rates: 2.26 to 10,700 l/min

Spray angles: 50° to 180°