

TF Spiral Full Cone



The TF spiral full 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.



60°, 90°, 120° metal

Construction

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

*not available in all sizes



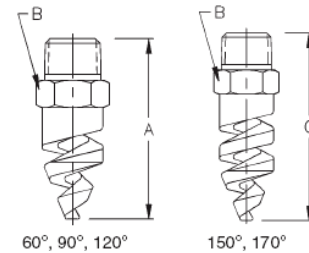
Full Cone 60°



Full Cone 90°



Full Cone 150 / 170°



Model No	Male Pipe Size	Spray angles					Lpm @ bar								Approx (mm)		Approx dims. (mm) for Metal only**		
		60	90	120	150	170	0.5	0.7	1	2	3	5	10	20	Orifice dia	Free passage dia	A	B	C
TF6	1/8	•	•	•	•	•	2.26	2.67	3.19	4.5	5.5	7.1	10.1	14.3	2.28	2.38	42.9	14.3	42.9
TF8		•	•	•	•	•	4.19	4.96	5.93	8.4	10.3	13.2	18.7	26.5	3.18	3.18	42.9	14.3	55.6
TF6	1/4	•	•	•	•	•	2.26	2.67	3.19	4.5	5.5	7.1	10.1	14.3	2.38	2.38	47.6	14.3	47.6
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	60.3
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	60.3
TF6	3/8	•	•	•	•	•	2.26	2.67	3.19	4.5	5.5	7.1	10.1	14.3	2.38	2.38	47.6	17.5	60.5
TF8		•	•	•	•	•	4.19	4.96	5.93	8.4	10.3	13.2	18.7	26.5	3.18	3.18			
TF10		•	•	•	•	•	6.45	7.63	9.12	12.9	15.8	20.4	28.8	40.8	3.97	3.18			
TF12		•	•	•	•	•	9.67	11.4	13.7	19.3	23.7	30.6	43.2	61.1	4.76	3.18			
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	77.7
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	88.9
TF40	1	•	•	•	•	•	108	128	153	216	264	341	483	683	15.9	6.35	92.1	34.9	111
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	137
TF64		•	•	•	•	•	272	322	385	545	667	861	1220	1720	25.4	7.94	111	50.8	137
TF72		•	•	•	•	•	309	366	438	619	758	978	1380	1960	28.6	7.94	111	50.8	143
TF88	2	•	•	•	•	•	451	534	638	902	1110	1430	2020	2850	34.9	11.1	143	63.5	175
TF96*		•	•	•	•	•	570	674	806	1140	1400	1800	2550	3600	38.1	11.1	176	63.5	178
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