TF Hollow Cone Flow Rates and Dimensions

Hollow Cone, 50° (N), 60° (V), 90° (M), 120° (W), and 180° (XW) Spray Angles, 1/4" to 4" Pipe Sizes

Male Pipe Size	Nozzle Number	Available Spray Angles	K Factor	GALLONS PER MINUTE @ PSI							Operation above 60 PSI not recom. for PTFE		High PSI operation recom. for **Metal Only**		Approx. (in.)		Dim. (in.) for Metal Only*			Wt. (oz.) 180°	
				5 PSI	10 PSI	20 PSI	30 PSI	**40 PSI**	50 PSI	60 PSI	80 PSI	100 PSI	200 PSI	400 PSI	Orif. Dia	Free Pass. Dia.	A	B	C	Metal	Plas.
1/4	**TF6**	50° 60° 90° 120°	0.221	0.495	0.70	0.99	1.21	**1.40**	1.57	1.71	1.98	2.21	3.13	4.43	0.09	0.09	1.88	0.56			
	TF8	50° 60° 90° 120° 180°	0.411	0.919	1.30	1.84	2.25	**2.60**	2.91	3.18	3.68	4.11	5.81	8.22	0.13	0.13	1.88	0.56	1.88	1.25	0.25
	TF10	50° 60° 90° 120° 180°	0.632	1.41	2.00	2.83	3.46	**4.00**	4.47	4.90	5.66	6.32	8.94	12.6	0.16	0.13	1.88	0.56	1.88		
3/8	**TF12**	50° 60° 90° 120° 180°	0.949	2.12	3.00	4.24	5.20	**6.00**	6.71	7.35	8.49	9.49	13.4	19.0	0.19	0.13					
	TF14	50° 60° 90° 120° 180°	1.28	2.86	4.05	5.73	7.01	**8.10**	9.06	9.92	11.5	12.8	18.1	25.6	0.24	0.13	1.88	0.69	1.88	1.75	0.25
	TF16	50° 60° 90° 120° 180°	1.68	3.75	5.30	7.50	9.18	**10.6**	11.9	13.0	15.0	16.8	23.7	33.5	0.28	0.13					
	TF20	50° 60° 90° 120° 180°	2.61	5.83	8.25	11.7	14.3	**16.5**	18.4	20.2	23.3	26.1	36.9	52.2	0.36	0.13					
1/2	**TF24**	50° 60° 90° 120° 180°	3.81	8.52	12.1	17.0	20.9	**24.1**	26.9	29.5	34.1	38.1	53.9	76.2	0.43	0.19	2.50	0.88 [1]	2.38	3.00	0.50
	TF28	50° 60° 90° 120° 180°	5.22	11.7	16.5	23.3	28.6	**33.0**	36.9	40.4	46.7	52.2	73.8	104	0.53	0.19					
3/4	**TF32**	50° 60° 90° 120° 180°	6.64	14.8	21.0	29.7	36.4	**42.0**	47.0	51.4	59.4	66.4	93.9	133	0.60	0.19	2.75	1.13	3.00	3.00	1.00
1	**TF40**	60° 90° 120° 180°	10.6	23.7	33.5	47.4	58.0	**67.0**	74.9	82.1	94.8	106	150	212	0.77	0.25					
	TF48	60° 90° 120° 180°	15.0	33.6	47.5	67.2	82.3	**95.0**	106	116	134	150	212	300	0.93	0.25		1.38 [2]	3.63	15.0	3.00
1 1/2	**TF56**	60° 90° 120° 180°	20.4	45.6	64.5	91.2	112	**129**	144	158	182	204	288	408	1.09	0.31					
	TF64	60° 90° 120° 180°	26.7	59.7	84.5	120	146	**169**	189	207	239	267	378	534	1.29	0.31		2.00	4.38	30.0	6.00
	TF72	60° 90° 120° 180°	30.4	67.9	96.0	136	166	**192**	215	235	272	304	429	607	1.32	0.31					
2	**TF88**	60° 90° 120° 180°	44.3	99.0	140	**198**	242	280	313	343	396	443	626	885	1.64	0.44	5.63	2.50	5.00	46.0	8.00
	TF96	60° 90° 120° 180°	55.9	125	177	**250**	306	354	395	433	500	559	791	1120	1.64	0.44	6.88	2.50	5.00	54.0	9.00
3	**TF112**	60° 90° 120°	81.0	181	256	**362**	443	512	572	627	724	810	1150	1620	2.00	0.56	8.63	3.50		114	20.0
	TF128	60° 90° 120°	107	239	339	**480**	588	679	759	831	960	1070	1510	2150	2.30	0.56					
4	**TF160**	60° 90° 120°	166	371	**525**	742	909	1050	1170	1290	1480	1660	2350	3320	3.15	0.63	10.1	4.50		169	27.0

Flow Rate (GPM) = K PSI

*Dimensions are for bar stock, cast sizes may vary.

[1] 1.00 for 180°

[2] 1.63 for 180°

Standard Materials: Brass, 316 Stainless Steel, PVC, Polypropylene and PTFE (Poly. not available for TF6, TF8 or TF10). See chart on page 17 for complete list.

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