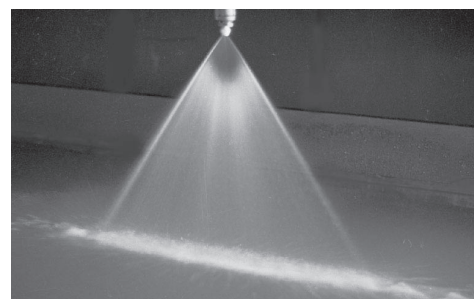
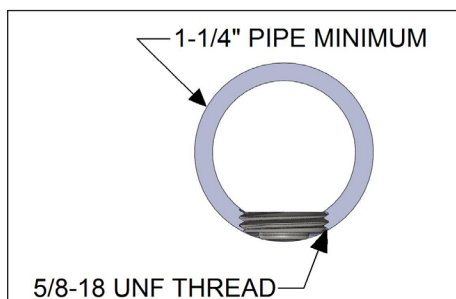




STF SERIES SPRAY NOZZLE

FLAT SPRAY • THREADED CONNECTION



Spray angle not exactly as shown

SPRAY CHARACTERISTICS:

STF-series spray nozzles produce a flat, fan shaped spray pattern, similar to the F series. Spray angles are available for a 0° solid stream to 90°, measured at 40 PSI. Spray angles generally increase with pressure, as shown in the capacity table below. Spray density tapers off toward the outside edges of these sprays, to permit overlapping of spray patterns while maintaining uniform spray density.

CONSTRUCTION:

The STF are disc-shaped, with a male 5/8-18 straight thread. They are machined from bar stock, and are one piece construction. Standard materials are 303 stainless steel and 316 stainless steel. Some models are also available in other materials.

TYPICAL APPLICATIONS:

The STF series is designed for applications where space is at a minimum, or where the nozzles must not protrude from the header. Typically the outer surface of the nozzle is flush with the outside of the header.



STF in pipe

Model	Equiv. Orifice Diameter	Capacity at Various Pressures												Spray Angle @		
		10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	200 psi	250 psi	300 psi	20 psi	40 psi	80 psi
STF0003	0.042	0.57	0.184	0.212	0.260	0.300	0.37	0.42	0.47	0.58	0.67	0.75	0.82	0	0	0
STF0007	0.064	0.35	0.43	0.50	0.61	0.70	0.86	0.99	1.11	1.36	1.57	1.75	1.92	0	0	0
STF2507	0.064	0.35	0.43	0.50	0.61	0.70	0.86	0.99	1.11	1.36	1.57	1.75	1.92	19	25	26
STF50084	0.070	0.42	0.51	0.59	0.73	0.84	1.03	1.19	1.33	1.63	1.88	2.10	2.30	42	50	57
STF5013	0.087	0.65	0.80	0.92	1.13	1.30	1.59	1.84	2.06	2.52	2.91	3.2	3.6	44	50	56
STF5019	0.105	0.95	1.16	1.34	1.65	1.90	2.33	2.69	3.00	3.7	4.2	4.8	5.2	45	50	54
STF6003	0.042	0.150	0.184	0.212	0.260	0.300	0.37	0.42	0.47	0.58	0.67	0.75	0.82	50	60	65
STF60054	0.056	0.270	0.33	0.38	0.47	0.54	0.66	0.76	0.85	1.05	1.21	1.35	1.48	52	60	64
STF60093	0.074	0.46	0.57	0.66	0.81	0.93	1.14	1.32	1.47	1.80	2.08	2.32	2.55	56	60	66
STF6013	0.087	0.65	0.80	0.92	1.13	1.30	1.59	1.84	2.06	2.52	2.91	3.2	3.6	55	60	64
STF6020	0.108	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	4.5	5.0	5.5	55	60	63
STF6024	0.119	1.20	1.47	1.70	2.08	2.40	2.94	3.4	3.8	4.6	5.4	6.0	6.6	58	60	66
STF6033	0.139	1.65	2.02	2.33	2.86	3.3	4.0	4.7	5.2	6.4	7.4	8.2	9.0	58	60	64
STF6040	0.153	2.00	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	8.9	10.0	11.0	57	60	62

* TABLE CONTINUES ON FOLLOWING PAGE



Model	Equiv. Orifice Diameter	Capacity at Various Pressures												Spray Angle @		
		10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	200 psi	250 psi	300 psi	20 psi	40 psi	80 psi
STF6047	0.166	2.35	2.88	3.3	4.1	4.7	5.8	6.6	7.4	9.1	10.5	11.8	12.9	58	60	62
STF6088	0.227	4.4	5.4	6.2	7.6	8.8	10.8	12.4	13.9	17.0	19.7	22.0	24.1	58	60	62
STF65054	0.056	0.270	0.33	0.38	0.47	0.54	0.66	0.76	0.85	1.05	1.21	1.35	1.48	55	65	72
STF6513	0.087	0.65	0.80	0.92	1.13	1.30	1.59	1.84	2.06	2.52	2.91	3.2	3.6	57	65	70
STF6519	0.105	0.95	1.16	1.34	1.65	1.90	2.33	2.69	3.00	3.7	4.2	4.8	5.2	60	65	69
STF6520	0.108	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	4.5	5.0	5.5	62	65	69
STF6524	0.119	1.20	1.47	1.70	2.08	2.40	2.94	3.4	3.8	4.6	5.4	6.0	6.6	62	65	67
STF6588	0.227	4.4	5.4	6.2	7.6	8.8	10.8	12.4	13.9	17.0	19.7	22.0	24.1	61	65	69
STF6824	0.119	1.20	1.47	1.70	2.08	2.40	2.94	3.4	3.8	4.6	5.4	6.0	6.6	65	68	70
STF8004	0.048	0.200	0.245	0.283	0.35	0.40	0.49	0.57	0.63	0.77	0.89	1.00	1.10	75	80	84
STF80054	0.056	0.270	0.33	0.38	0.47	0.54	0.66	0.76	0.85	1.05	1.21	1.35	1.48	72	80	87
STF80084	0.070	0.42	0.51	0.59	0.73	0.84	1.03	1.19	1.33	1.63	1.88	2.10	2.30	76	80	84
STF80093	0.074	0.46	0.57	0.66	0.81	0.93	1.14	1.32	1.47	1.80	2.08	2.32	2.55	74	80	84
STF8010	0.076	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	2.24	2.50	2.74	75	80	86
STF8013	0.087	0.65	0.80	0.92	1.13	1.30	1.59	1.84	2.06	2.52	2.91	3.2	3.6	76	80	85
STF8024	0.119	1.20	1.47	1.70	2.08	2.40	2.94	3.4	3.8	4.6	5.4	6.0	6.6	75	80	83
STF8033	0.139	1.65	2.02	2.33	2.86	3.3	4.0	4.7	5.2	6.4	7.4	8.2	9.0	76	80	82
STF90054	0.056	0.270	0.33	0.38	0.47	0.54	0.66	0.76	0.85	1.05	1.21	1.35	1.48	82	90	96
STF90093	0.074	0.46	0.57	0.66	0.81	0.93	1.14	1.32	1.47	1.80	2.08	2.32	2.55	83	90	95
STF9013	0.087	0.65	0.80	0.92	1.13	1.30	1.59	1.84	2.06	2.52	2.91	3.2	3.6	85	90	93