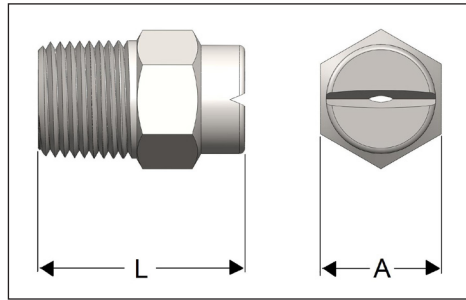
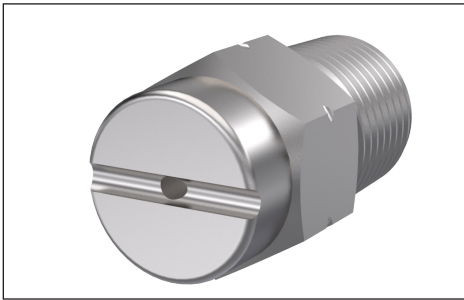




F50 SPRAY NOZZLE SPECIFICATIONS

50° SPRAY ANGLE • FLAT SPRAY • THREADED



Spray angle not exactly as shown

SPRAY CHARACTERISTICS:

F50 series spray nozzles produce a flat, fan shaped spray pattern, with a spray angle of 50° at 40 PSI. Spray density tapers off toward the outside of these sprays, to permit overlapping of spray patterns while maintaining uniform spray density.

CONSTRUCTION:

The models listed are machined from bar stock and are one piece construction. Standard materials are brass, 303 stainless steel and 316 stainless steel. Other materials may be available upon request. Some parts are also stocked in Carpenter 20®, PVC, CPVC and polypropylene.

Nozzle Size	Dim. 'L' (inches)	Dim. 'A' (inches)
1/8F	13/16	7/16 HEX
1/4F	15/16	9/16 HEX
3/8F	1 3/16	1 1/16 HEX
1/2F	1 5/16	7/8 HEX
3/4F	1 11/16	1 1/16 HEX
1F	2 1/2	1 3/8 HEX
1-1/4F	3 5/8	1 3/4 HEX
1-1/2F	4 1/4	2 Dia.
2F	5	2 3/8 Dia.

TYPICAL APPLICATIONS:

- Parts Cleaning
- Metal Washing
- Foam control
- Gravel Washing
- Vehicle Washing
- Dishwashers
- Fertilizer spraying

Model Number	Equivalent Orifice Diameter inches	Capacities at Various Pressures USGPM														Spray Angles		
		5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	50 psi	60 psi	80 psi	100 psi	150 psi	300 psi	20 psi	40 psi	80 psi	
1/8F5010	0.079	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.12	1.22	1.41	1.58	1.94	2.74	43°	50°	55°	
1/4F5010	0.079	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.12	1.22	1.41	1.58	1.94	2.74	43°	50°	55°	
3/8F5010	0.079	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.12	1.22	1.41	1.58	1.94	2.74	43°	50°	55°	
1/8F5015	0.097	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.68	1.84	2.12	2.37	2.90	4.1	43°	50°	55°	
1/4F5015	0.097	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.68	1.84	2.12	2.37	2.90	4.1	43°	50°	55°	
3/8F5015	0.097	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.68	1.84	2.12	2.37	2.90	4.1	43°	50°	55°	
1/8F5020	0.112	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.24	2.45	2.83	3.2	3.9	5.5	43°	50°	55°	
1/4F5020	0.112	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.24	2.45	2.83	3.2	3.9	5.5	43°	50°	55°	
3/8F5020	0.112	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.24	2.45	2.83	3.2	3.9	5.5	43°	50°	55°	
1/8F5030	0.133	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.4	3.7	4.2	4.7	5.8	8.2	43°	50°	54°	
1/4F5030	0.133	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.4	3.7	4.2	4.7	5.8	8.2	43°	50°	55°	
3/8F5030	0.133	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.4	3.7	4.2	4.7	5.8	8.2	43°	50°	54°	
1/8F5040	0.153	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.5	4.9	5.7	6.3	7.7	11.0	43°	50°	54°	

* TABLE CONTINUES ON FOLLOWING PAGE



F 50 SPRAY NOZZLE SPECIFICATIONS

50 DEGREE SPRAY ANGLE • FLAT SPRAY • THREADED CONNECTION

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Model Number	Equivalent Orifice Diameter inches	Capacities at Various Pressures USGPM														Spray Angles		
		5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	50 psi	60 psi	80 psi	100 psi	150 psi	300 psi	20 psi	40 psi	80 psi	
3/8F5020	0.112	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.24	2.45	2.83	3.2	3.9	5.5	43°	50°	55°	
1/8F5030	0.133	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.4	3.7	4.2	4.7	5.8	8.2	43°	50°	54°	
1/4F5030	0.133	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.4	3.7	4.2	4.7	5.8	8.2	43°	50°	55°	
3/8F5030	0.133	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.4	3.7	4.2	4.7	5.8	8.2	43°	50°	54°	
1/8F5040	0.153	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.5	4.9	5.7	6.3	7.7	11.0	43°	50°	54°	
1/4F5040	0.153	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.5	4.9	5.7	6.3	7.7	11.0	43°	50°	54°	
3/8F5040	0.153	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.5	4.9	5.7	6.3	7.7	11.0	43°	50°	54°	
1/4F5050	0.172	1.77	2.09	2.50	3.06	3.5	4.3	5.0	5.6	6.1	7.1	7.9	9.7	13.7	43°	50°	53°	
3/8F5050	0.172	1.77	2.09	2.50	3.06	3.5	4.3	5.0	5.6	6.1	7.1	7.9	9.7	13.7	43°	50°	53°	
1/4F5060	0.188	2.12	2.51	3.00	3.7	4.2	5.2	6.0	6.7	7.3	8.5	9.5	11.6	16.4	43°	50°	53°	
3/8F5060	0.188	2.12	2.51	3.00	3.7	4.2	5.2	6.0	6.7	7.3	8.5	9.5	11.6	16.4	43°	50°	53°	
1/2F5060	0.188	2.12	2.51	3.00	3.7	4.2	5.2	6.0	6.7	7.3	8.5	9.5	11.6	16.4	44°	50°	53°	
1/4F5070	0.203	2.47	2.93	3.5	4.3	4.9	6.1	7.0	7.8	8.6	9.9	11.1	13.6	19.2	44°	50°	53°	
3/8F5070	0.203	2.47	2.93	3.5	4.3	4.9	6.1	7.0	7.8	8.6	9.9	11.1	13.6	19.2	44°	50°	53°	
1/2F5070	0.203	2.47	2.93	3.5	4.3	4.9	6.1	7.0	7.8	8.6	9.9	11.1	13.6	19.2	44°	50°	53°	
3/8F50100	0.243	3.5	4.2	5.0	6.1	7.1	8.7	10.0	11.2	12.2	14.1	15.8	19.4	27.4	44°	50°	52°	
1/2F50100	0.243	3.5	4.2	5.0	6.1	7.1	8.7	10.0	11.2	12.2	14.1	15.8	19.4	27.4	44°	50°	52°	
3/8F50120	0.266	4.2	5.0	6.0	7.3	8.5	10.4	12.0	13.4	14.7	17.0	19.0	23.2	33	44°	50°	53°	
1/2F50120	0.266	4.2	5.0	6.0	7.3	8.5	10.4	12.0	13.4	14.7	17.0	19.0	23.2	33	44°	50°	53°	
3/8F50150	0.297	5.3	6.3	7.5	9.2	10.6	13.0	15.0	16.8	18.4	21.2	23.7	29.0	41	45°	50°	52°	
1/2F50150	0.297	5.3	6.3	7.5	9.2	10.6	13.0	15.0	16.8	18.4	21.2	23.7	29.0	41	45°	50°	52°	
1/2F50200	0.343	7.1	8.4	10.0	12.2	14.1	17.3	20.0	22.4	24.5	28.3	32	39	55	46°	50°	52°	
3/4F50200	0.343	7.1	8.4	10.0	12.2	14.1	17.3	20.0	22.4	24.5	28.3	32	39	55	46°	50°	52°	
3/4F50400	0.485	14.1	16.7	20.0	24.5	28.3	35	40	45	49	57	63	77	110	47°	50°	54°	
1F50500	0.543	17.7	20.9	25.0	30.6	35	43	50	56	61	71	79	97	137	46°	50°	55°	
1-1/4F50500	0.543	17.7	20.9	25.0	30.6	35	43	50	56	61	71	79	97	137	46°	50°	55°	
1-1/4F50750	0.664	26.5	31.4	38	46	53	65	75	84	92	106	119	145	205	46°	50°	54°	
1-1/4F501000	0.767	35	42	50	61	71	87	100	112	122	141	158	194	274	46°	50°	55°	