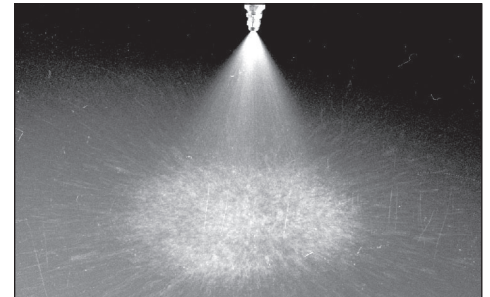
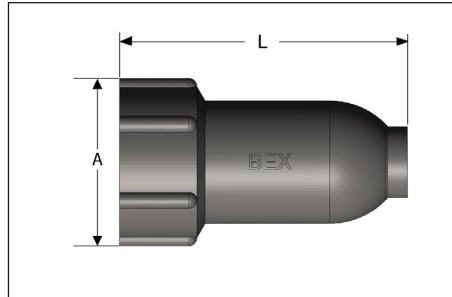
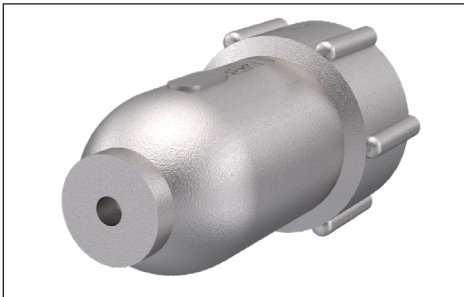




LARGE FS SERIES SPRAY NOZZLE

FULL-CONE • THREADED CONNECTION • ONE PIECE



SPRAY CHARACTERISTICS:

Full cone spray pattern, with uniform distribution throughout the cone.

TYPICAL APPLICATIONS:

- Chemical Processing
- Cooling Sprays
- Foam Breaking
- Heat Exchanger Cooling
- Coke Quenching
- Absorption Stack Spraying
- Gravel Washing

CONSTRUCTION:

Investment cast in 316 stainless steel. All models have a female threaded connection, and consist of a one-piece body plus an internal insert.

Nozzle Size	Dim 'A'	Dim 'L'
1¼FS	1 ⁷ / ₈	3 ¹ / ₂
1½FS	2 ¹ / ₄	4 ¹ / ₄
2FS	2 ³ / ₄	5 ⁷ / ₁₆
2½FS	3 ⁵ / ₈	7
3FS	4" Dia.	7 ³ / ₄
4FS	5" Dia.	9 ⁷ / ₈

All dimensions are in inches

Model #	Max. Free Passage inches	Capacities at Various Pressures USGPM												Spray Angle		
		3 psi	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	7 psi	20 psi	80 psi
1-1/4FS7.1	0.260	14.8	5.0	5.9	7.1	8.7	10.0	12.3	14.2	17.4	20.1	22.5	27.5	54°	56°	50°
1-1/4FS12	0.260	6.6	8.5	10.0	12.0	14.7	17.0	20.8	24.0	29.4	34	38	46	72°	76°	70°
1-1/4FS14.1	0.260	7.7	10.0	11.8	14.1	17.3	19.9	24.4	28.2	35	40	45	55	76°	80°	74°
1-1/4FS16.5	0.305	9.0	11.7	13.8	16.5	20.2	23.3	28.6	33	40	47	52	64	85°	90°	83°
1-1/4FS23.8	0.312	13.0	16.8	19.9	23.8	29.1	34	41	48	58	67	75	92	94°	98°	89°
1-1/2FS12.5	0.315	6.8	8.8	10.5	12.5	15.3	17.7	21.7	25.0	30.6	35	40	48	50°	51°	59°
1-1/2FS19	0.329	10.4	13.4	15.9	19.0	23.3	26.9	33	38	47	54	60	74	68°	70°	62°
1-1/2FS24	0.329	13.1	17.0	20.1	24.0	29.4	34	42	48	59	68	76	93	82°	88°	70°
1-1/2FS36	0.375	19.7	25.5	30.1	36	44	51	62	72	88	102	114	139	98°	103°	85°
2FS20	0.438	11.0	14.1	16.7	20.0	24.5	28.3	35	40	49	57	63	77	50°	64°	60°
2FS36	0.438	19.7	25.5	30.1	36	44	51	62	72	88	102	114	139	70°	75°	68°
2FS42	0.438	23.0	29.7	35	42	51	59	73	84	103	119	133	163	74°	78°	70°
2FS47	0.438	25.7	33	39	47	58	66	81	94	115	133	149	182	78°	80°	84°
2FS59	0.438	32	42	49	59	72	83	102	118	145	167	187	229	82°	86°	78°
2FS71	0.438	39	50	59	71	87	100	123	142	174	201	225	275	98°	100°	93°
2-1/2FS30	0.438	16.4	21.2	25.1	30.0	37	42	52	60	73	85	95	116	55°	59°	55°
2-1/2FS59	0.438	32	42	49	59	72	83	102	118	145	167	187	229	75°	80°	72°
2-1/2FS71	0.531	39	50	59	71	87	100	123	142	174	201	225	275	80°	85°	77°
2-1/2FS83	0.531	45	59	69	83	102	117	144	166	203	235	262	321	80°	82°	76°
2-1/2FS95	0.531	52	67	79	95	116	134	165	190	233	269	300	368	86°	90°	82°

* TABLE CONTINUES ON FOLLOWING PAGE



FS SPRAY NOZZLE SPECIFICATIONS
FULL CONE • THREADED CONNECTION • ONE-PIECE CONSTRUCTION

www.BEX.com

Model #	Max. Free Passage inches	Capacities at Various Pressures USGPM												Spray Angle		
		3 psi	5 psi	7 psi	10 psi	15 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	150 psi	7 psi	20 psi	80 psi
2-1/2FS108	0.688	59	76	90	108	132	153	187	216	265	305	342	418	96°	98°	86°
3FS50	0.688	27.4	35	42	50	61	71	87	100	122	141	158	194	49°	50°	46°
3FS95	0.688	52	67	79	95	116	134	165	190	233	269	300	368	81°	84°	76°
3FS108	0.688	59	76	90	108	132	153	187	216	265	305	342	418	86°	89°	81°
3FS119	0.688	65	84	100	119	146	168	206	238	291	337	376	461	92°	95°	87°
3FS142	0.688	78	100	119	142	174	201	246	284	348	402	449	550	102°	105°	93°
4FS189	0.875	104	134	158	189	231	267	327	378	463	535	598	732	87°	90°	85°
4FS212	0.875	116	150	177	212	260	300	367	424	519	600	670	821	92°	95°	87°
4FS238	0.875	130	168	199	238	291	337	412	476	583	673	753	922	97°	100°	91°
4FS250	0.875	137	177	209	250	306	354	433	500	612	707	791	968	102°	105°	95°

