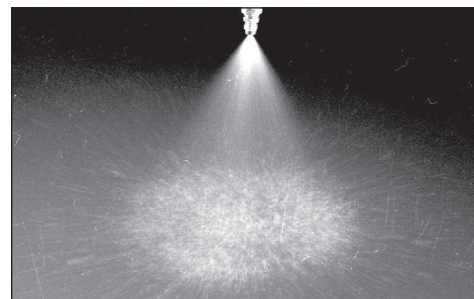
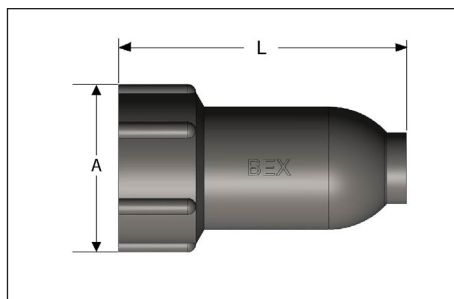
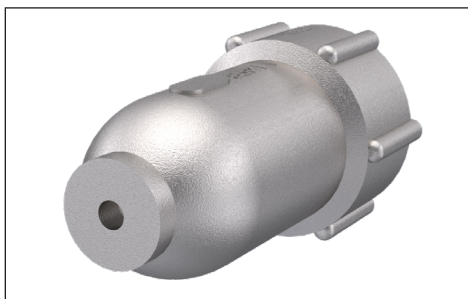




LARGE FS SERIES SPRAY NOZZLE

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 mm	Capacities at Various Pressures LPM												Spray Angle		
		0.2 bar	0.3 bar	0.5 bar	0.7 bar	1.0 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	7 bar	10 bar	0.5 bar	1.5 bar	6 bar
1-1/4FS7.1	6.60	14.5	17.7	22.9	27.1	32	40	46	56	65	72	86	102	54°	56°	50°
1-1/4FS12	6.60	24.5	30.0	39	46	55	67	77	95	109	122	145	173	72°	76°	70°
1-1/4FS14.1	6.60	28.7	35	45	54	64	79	91	111	129	144	170	203	76°	80°	74°
1-1/4FS16.5	7.75	34	41	53	63	75	92	106	130	150	168	199	238	85°	90°	83°
1-1/4FS23.8	7.92	49	59	77	91	108	133	153	188	217	243	287	343	94°	98°	89°
1-1/2FS12.5	8.00	25.5	31.2	40	48	57	70	81	99	114	127	151	180	50°	51°	59°
1-1/2FS19	8.36	39	47	61	72	87	106	122	150	173	194	229	274	68°	70°	62°
1-1/2FS24	8.36	49	60	77	92	109	134	155	189	219	245	289	346	82°	88°	70°
1-1/2FS36	9.53	73	90	116	137	164	201	232	284	328	367	434	519	98°	103°	85°
2FS20	11.13	41	50	64	76	91	112	129	158	182	204	241	288	50°	64°	60°
2FS36	11.13	73	90	116	137	164	201	232	284	328	367	434	519	70°	75°	68°
2FS42	11.13	86	105	135	160	191	234	271	332	383	428	506	605	74°	78°	70°
2FS47	11.13	96	117	151	179	214	262	303	371	428	479	567	677	78°	80°	84°
2FS59	11.13	120	147	190	225	269	329	380	466	538	601	711	850	82°	86°	78°
2FS71	11.13	145	177	229	271	324	396	458	560	647	724	856	1,023	98°	100°	93°
2-1/2FS30	11.13	61	75	97	114	137	167	193	237	273	306	362	432	55°	59°	55°
2-1/2FS59	11.13	120	147	190	225	269	329	380	466	538	601	711	850	75°	80°	72°
2-1/2FS71	13.49	145	177	229	271	324	396	458	560	647	724	856	1,023	80°	85°	77°
2-1/2FS83	13.49	169	207	267	317	378	463	535	655	757	846	1,001	1,196	80°	82°	76°
2-1/2FS95	13.49	194	237	306	362	433	530	612	750	866	968	1,146	1,369	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 mm	Capacities at Various Pressures LPM												Spray Angle		
		0.2 bar	0.3 bar	0.5 bar	0.7 bar	1.0 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	7 bar	10 bar	0.5 bar	1.5 bar	6 bar
2-1/2FS108	17.48	220	270	348	412	492	603	696	853	984	1,101	1,302	1,557	96°	98°	86°
3FS50	17.48	102	125	161	191	228	279	322	395	456	510	603	721	49°	50°	46°
3FS95	17.48	194	237	306	362	433	530	612	750	866	968	1,146	1,369	81°	84°	76°
3FS108	17.48	220	270	348	412	492	603	696	853	984	1,101	1,302	1,557	86°	89°	81°
3FS119	17.48	243	297	384	454	542	664	767	939	1,085	1,213	1,435	1,715	92°	95°	87°
3FS142	17.48	289	354	458	541	647	793	915	1,121	1,294	1,447	1,712	2,047	102°	105°	93°
4FS189	22.23	385	472	609	721	861	1,055	1,218	1,492	1,723	1,926	2,279	2,724	87°	90°	85°
4FS212	22.23	432	529	683	808	966	1,183	1,366	1,674	1,932	2,161	2,556	3,056	92°	95°	87°
4FS238	22.23	485	594	767	908	1,085	1,329	1,534	1,879	2,169	2,426	2,870	3,430	97°	100°	91°
4FS250	22.23	510	624	806	953	1,139	1,396	1,611	1,974	2,279	2,548	3,015	3,603	102°	105°	95°

