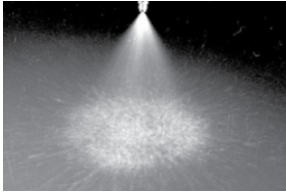


# Threaded Nozzles – Full Cone Series FS



Thread (BSPT)	Dim. A (mm)	Dim. L (mm)
11/4FS	47.6	89
11/2FS	57.2	108
2FS	69.9	138
21/2FS	92.1	178
3FS	102	197
4FS	127	251

## SPRAY CHARACTERISTICS:

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

## CONSTRUCTION:

All models have a female NPT connection, and consist of a one piece body plus an internal insert. Standard materials are machined 316 stainless steel or cast 316 stainless steel.

## TYPICAL APPLICATIONS:

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

BEX MODEL	Thread BSPT	MAX. FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	9 bar	0.5 bar	1.5 bar	5 bar
11/4FS7.1	1 ¼"	6.6	14.5	18.0	23.0	27.0	32.0	40.0	46.0	56.0	65.0	72.0	79.0	97.0	54°	56°	50°
11/4FS12	1 ¼"	6.6	24.5	30.0	39.0	46.0	55.0	67.0	77.0	95.0	109	122	134	164	72°	76°	70°
11/4FS14.1	1 ¼"	6.6	28.7	35.0	45.0	54.0	64.0	79.0	91.0	111	129	144	157	193	76°	80°	74°
11/4FS16.5	1 ¼"	7.7	34.0	41.0	53.0	63.0	75.0	92.0	106	130	150	168	184	226	85°	90°	83°
11/4FS23.8	1 ¼"	7.9	49.0	60.0	77.0	92.0	109	134	155	189	219	245	268	328	94°	98°	89°
11/2FS12.5	1 ½"	8.0	25.5	31.0	40.0	48.0	57.0	70.0	81.0	99	114	127	140	171	50°	51°	49°
11/2FS19	1 ½"	8.4	39.0	47.0	61.0	72.0	87.0	106	122	150	173	194	212	260	68°	70°	62°
11/2FS24	1 ½"	8.4	49.0	60.0	77.0	92.0	109	134	155	189	219	245	268	328	82°	88°	70°
11/2FS36	1 ½"	9.5	73.0	90.0	116	137	164	201	232	284	328	367	402	492	98°	103°	85°
2FS20	2"	11.1	41.0	50.0	64.0	76.0	91.0	112	129	158	182	204	223	273	50°	64°	60°
2FS36	2"	11.1	73.0	90.0	116	137	164	201	232	284	328	367	402	492	70°	75°	68°
2FS42	2"	11.1	86.0	105	135	160	191	234	271	332	383	428	469	574	74°	78°	70°
2FS47	2"	11.1	96.0	117	151	179	214	262	303	371	428	479	525	643	78°	80°	84°
2FS59	2"	11.1	120	147	190	225	269	329	380	466	538	601	659	807	82°	86°	78°
2FS71	2"	11.1	145	177	229	271	324	396	458	560	647	724	793	971	98°	100°	93°
21/2FS30	2 ½"	11.1	61.0	75.0	97.0	114	137	167	193	237	273	306	335	410	55°	59°	55°
21/2FS59	2 ½"	11.1	120	147	190	225	269	329	380	466	538	601	659	807	75°	80°	72°
21/2FS71	2 ½"	13.5	145	177	229	271	324	396	458	560	647	724	793	971	80°	85°	77°
21/2FS83	2 ½"	13.5	169	207	267	317	378	463	535	655	757	846	927	1135	80°	82°	76°
21/2FS95	2 ½"	13.5	194	237	306	362	433	530	612	750	866	968	1061	1299	86°	90°	82°
21/2FS108	2 ½"	17.5	220	270	348	412	492	603	696	853	984	1101	1206	1477	96°	98°	86°
3FS50	3"	17.5	102	125	161	191	228	279	322	395	456	510	558	684	49°	50°	46°
3FS95	3"	17.5	194	237	306	362	433	530	612	750	866	968	1061	1299	81°	84°	76°
3FS108	3"	17.5	220	270	348	412	492	603	696	853	984	1101	1206	1477	86°	89°	81°
3FS119	3"	17.5	243	297	384	454	542	664	767	939	1085	1213	1329	1627	92°	95°	87°
3FS142	3"	17.5	289	354	458	541	647	793	915	1121	1294	1447	1585	1942	102°	105°	93°
4FS189	4"	22.2	385	472	609	721	861	1055	1218	1492	1723	1926	2110	2584	87°	90°	85°
4FS212	4"	22.2	432	529	683	808	966	1183	1366	1674	1932	2161	2367	2899	92°	95°	87°
4FS238	4"	22.2	485	594	767	908	1085	1329	1534	1879	2169	2426	2657	3254	97°	100°	91°
4FS250	4"	22.2	510	624	806	953	1139	1396	1611	1974	2279	2548	2791	3418	102°	105°	95°