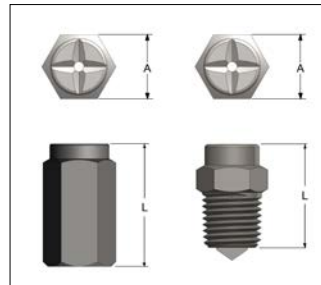




SQ SERIES NOZZLE SPECIFICATIONS

NOZZLE SIZE	Dim. A	Dim. L
$\frac{1}{8}$ SQ	$\frac{7}{16}$ HEX	$\frac{13}{16}$
$\frac{1}{4}$ SQ	$\frac{9}{16}$ HEX	$\frac{15}{16}$
$\frac{3}{8}$ SQ	$\frac{11}{16}$ HEX	$1\frac{1}{16}$
$\frac{1}{2}$ SQ	$\frac{7}{8}$ HEX	$1\frac{9}{32}$
$\frac{3}{4}$ SQ	$1\frac{1}{16}$ HEX	$1\frac{9}{16}$
1FSQ	$1\frac{7}{8}$ dia.	$2\frac{5}{8}$
$1\frac{1}{4}$ FSQ	$1\frac{7}{8}$ dia.	$3\frac{1}{2}$
$1\frac{1}{2}$ FSQ	$2\frac{1}{4}$ dia.	$4\frac{1}{4}$
2FSQ	$2\frac{3}{4}$ dia.	$5\frac{7}{16}$
$2\frac{1}{2}$ FSQ	$3\frac{1}{2}$ dia.	$6\frac{7}{8}$

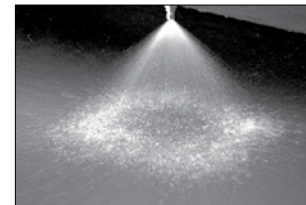


SPRAY CHARACTERISTICS:

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

CONSTRUCTION:

Standard materials are brass, 303 and 316 stainless. Larger sizes in cast 316 or 303 stainless bar. Some models are also stocked in plastics and other materials.



TYPICAL APPLICATIONS:

- Chemical Processing
- Cooling Sprays
- Continuous Casting

Model		Max. Free Passage (in)	CAPACITY AT VARIOUS PRESSURES (USGPM)												SPRAY ANGLE @ (degrees)		
Female	Male		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
	$\frac{1}{8}$ S3.6SQ	0.057	0.06	0.07	0.30	0.36	0.44	0.51	0.62	0.72	0.88	1.02	1.14	1.39	42	55	50
	$\frac{1}{8}$ S4.8SQ	0.064	0.15	0.18	0.40	0.48	0.59	0.68	0.83	0.96	1.18	1.36	1.52	1.86	50	65	60
	$\frac{1}{8}$ S6SQ	0.081	0.31	0.35	0.50	0.60	0.73	0.85	1.04	1.20	1.47	1.70	1.90	2.32	30	65	60
	$\frac{1}{4}$ S6SQ	0.081	0.61	0.42	0.50	0.60	0.73	0.85	1.04	1.20	1.47	1.70	1.90	2.32	60	65	60
	$\frac{1}{4}$ S10SQ	0.091	0.19	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	61	67	60
	$\frac{1}{4}$ S12SQ	0.091	0.27	0.85	1.00	1.20	1.47	1.70	2.08	2.40	2.94	3.4	3.8	4.6	71	76	69
	$\frac{1}{4}$ S14SQ	0.091	0.27	0.99	1.17	1.40	1.71	1.98	2.42	2.80	3.4	4.0	4.4	5.4	78	85	75
	$\frac{3}{8}$ S18SQ	0.102	0.33	1.27	1.51	1.80	2.20	2.55	3.12	3.6	4.4	5.1	5.7	7.0	70	75	68
	$\frac{1}{2}$ S29SQ	0.144	0.36	2.05	2.43	2.90	3.6	4.1	5.0	5.8	7.1	8.2	9.2	11.2	70	75	68
	$\frac{1}{2}$ S36SQ	0.144	0.41	2.55	3.01	3.6	4.4	5.1	6.2	7.2	8.8	10.2	11.4	13.9	80	85	77
	$\frac{3}{4}$ S50SQ	0.195	0.47	3.5	4.2	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	19.4	70	75	68
1FS10.6SQ		0.219	0.52	7.5	8.9	10.6	13.0	15.0	18.4	21.2	26.0	30.0	34	41	77	80	72
1- $\frac{1}{4}$ FS17.7SQ		0.260	0.55	12.5	14.8	17.7	21.7	25.0	30.7	35	43	50	56	69	77	80	72
1- $\frac{1}{2}$ FS23SQ		0.392	0.55	16.3	19.2	23.0	28.2	33	40	46	56	65	73	89	74	79	72
2FS29SQ		0.438	0.77	20.5	24.3	29.0	36	41	50	58	71	82	92	112	65	70	65
2FS36SQ		0.438	0.82	25.5	30.1	36	44	51	62	72	88	102	114	139	70	75	70
2FS48SQ		0.438	0.99	34	40	48	59	68	83	96	118	136	152	186	78	80	76
2- $\frac{1}{2}$ FS59SQ		0.531	1.10	42	49	59	72	83	102	118	145	167	187	229	75	80	73