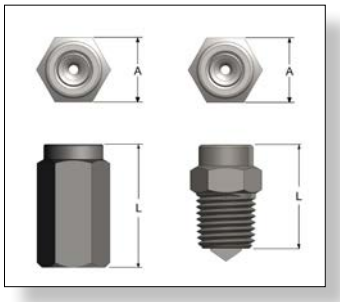
SW SERIES NOZZLE SPECIFICATIONS

MALE SW	Dim. A	Dim. L	FEMALE SW	Dim. A	Dim. L
1/8SW	7/16 HEX	13/16	3/4 FSW	1 1/4 HEX	2 3/8
1/4SW	9/16 HEX	15/16	1FSW	1 1/2 HEX	2 1/2
3/8SW	11/16 HEX	1 1/16	1 1/4 FSW	2 HEX	3 1/2
1/2SW	7/8 HEX	1 7/16	1 1/2 FSW	2 1/4 Dia.	4 1/4
3/4SW	1 1/4 HEX	1 11/16	2FSW	2 3/4 Dia.	5 7/8
1SW	1 3/8 dia.	2 1/16	2 1/2 FSW	3 1/2 Dia.	6 1/2
			3FSW	4" Dia.	7 3/4
			4FSW	5" Dia.	10 1/2



SPRAY CHARACTERISTICS:

A wide angle full cone spray pattern, with uniform distribution throughout the cone.

CONSTRUCTION:

This nozzle contains a patented insert with larger flow passages than older styles, and is less susceptible to clogging. Standard materials are brass, 303 stainless steel and 316 stainless steel. Some models are also stocked in PVC, CPVC and polypropylene.

TYPICAL APPLICATIONS:

Anywhere a wide angle full cone spray is required:

- Chemical Processing
- Cooling Sprays
- Continuous Casting

U.S. Patent No. 4,142,682
Canadian Patent No. 1,050,589

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
	1/8S2.8W	0.051	0.06	0.07	0.23	0.28	0.34	0.40	0.48	0.56	0.69	0.79	0.89	1.08	110	105	96
	1/8S4.3W	0.051	0.15	0.18	0.36	0.43	0.53	0.61	0.74	0.86	1.05	1.22	1.36	1.67	117	108	100
	1/8S5.6W	0.064	0.31	0.35	0.47	0.56	0.69	0.79	0.97	1.12	1.37	1.58	1.77	2.17	117	110	100
	1/4S5.6W	0.064	0.61	0.40	0.47	0.56	0.69	0.79	0.97	1.12	1.37	1.58	1.77	2.17	120	108	102
	1/8S8W	0.081	0.19	0.57	0.67	0.80	0.98	1.13	1.39	1.60	1.96	2.26	2.53	3.10	118	110	103
	1/4S10W	0.091	0.27	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	118	108	102
	1/4S12W	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	120	112	102
	1/4S14W	0.091	0.33	0.99	1.17	1.40	1.71	1.98	2.42	2.80	3.4	4.0	4.4	5.4	118	114	104
	3/8S17W	0.102	0.36	1.20	1.42	1.70	2.08	2.40	2.94	3.4	4.2	4.8	5.4	6.6	118	117	102
	3/8S20W	0.102	0.41	1.41	1.67	2.00	2.45	2.83	3.5	4.0	4.9	5.7	6.3	7.7	120	120	106
	3/8S24W	0.102	0.47	1.70	2.01	2.40	2.94	3.4	4.2	4.8	5.9	6.8	7.6	9.3	122	118	106
	3/8S27W	0.102	0.52	1.91	2.26	2.70	3.3	3.8	4.7	5.4	6.6	7.6	8.5	10.5	122	120	107
	1/2S30W	0.144	0.55	2.12	2.51	3.00	3.7	4.2	5.2	6.0	7.3	8.5	9.5	11.6	120	118	110
	1/2S35W	0.144	0.55	2.47	2.93	3.5	4.3	4.9	6.1	7.0	8.6	9.9	11.1	13.6	122	118	108
	1/2S40W	0.162	0.77	2.83	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	15.5	122	119	104
	1/2S45W	0.162	0.82	3.2	3.8	4.5	5.5	6.4	7.8	9.0	11.0	12.7	14.2	17.4	141	118	108
3/4FS50W	3/4S50W	0.195	0.99	3.5	4.2	5.0	6.1	7.1	8.7	10.0	12.2	14.1	15.8	19.4	120	120	110
3/4FS71W	3/4S71W	0.195	1.10	5.0	5.9	7.1	8.7	10.0	12.3	14.2	17.4	20.1	22.5	27.5	118	120	112
1FS13W	1S13W	0.219	1.20	9.2	10.9	13.0	15.9	18.4	22.5	26.0	32	37	41	50	120	125	118
1-1/4FS19W		0.260	0.88	13.4	15.9	19.0	23.3	26.9	33	38	47	54	60	74	122	123	120
1-1/2FS29W		0.329	1.37	20.5	24.3	29.0	36	41	50	58	71	82	92	112	125	125	120
2FS56W		0.438	1.75	40	47	56	69	79	97	112	137	158	177	217	125	125	118
2-1/2FS83W		0.531	2.19	59	69	83	102	117	144	166	203	235	262	321	122	123	120
3FS107W		0.688	1.64	76	90	107	131	151	185	214	262	303	338	414	125	123	123
4FS165W		0.875	2.74	117	138	165	202	233	286	330	404	467	522	639	125	125	123