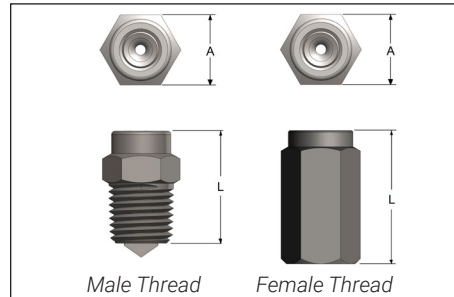




SW SPRAY NOZZLE SPECIFICATIONS

FULL CONE • THREADED CONNECTION • ONE-PIECE



SPRAY CHARACTERISTICS:

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

TYPICAL APPLICATIONS:

- Chemical Processing
- Cooling sprays
- Foam Breaking
- Continuous Casting

U.S. Patent No. 4, 142, 682

Canadian Patent No. 1, 050, 589

CONSTRUCTION:

The 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.

Male Size	Dim 'A'	Dim 'B'	Female Size	Dim 'A'	Dim 'B'
1/8SW	7/16 HEX	13/16	3/4FSW	1 1/4 HEX	2 3/8
1/4SW	9/16 HEX	15/16	1FSW	1 1/2 HEX	2 1/2
3/8SW	1 1/16 HEX	1 1/16	1 1/4FSW	2 HEX	3 1/2
1/2SW	7/8 HEX	1 7/16	1 1/2FSW	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 1/2FSW	3 1/2 Dia.	6 1/2
			3FSW	4" Dia.	7 3/4
			4FSW	5" Dia.	10 1/2

Model ID		Max. Free Passage	Capacities at Various Pressures												Spray Angle		
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	0.153	0.198	0.234	0.280	0.34	0.40	0.48	0.56	0.69	0.79	0.89	1.08	110	105	96
	1/8S4.3W	0.051	0.236	0.304	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	0.307	0.40	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	0.307	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	0.44	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	0.55	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	0.66	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	0.77	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	0.93	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	1.10	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	1.31	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	1.48	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	1.64	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	1.92	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	2.19	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	2.46	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	2.74	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	3.9	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	7.1	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	10.4	13.4	15.9	19.0	23.3	26.9	33	38	47	54	60	74	122	123	120
1-1/2FS29W		0.329	15.9	20.5	24.3	29.0	36	41	50	58	71	82	92	112	125	125	120
2FS56W		0.438	30.7	40	47	56	69	79	97	112	137	158	177	217	125	125	118
2-1/2FS83W		0.531	45	59	69	83	102	117	144	166	203	235	262	321	122	123	120
3FS107W		0.688	59	76	90	107	131	151	185	214	262	303	338	414	125	123	123
4FS165W		0.875	90	117	138	165	202	233	286	330	404	467	522	639	125	125	123

