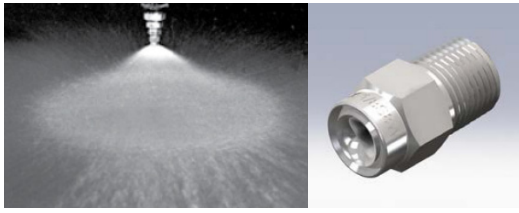


Threaded Nozzles – Full Cone Series SW



Model male	Dim. A (mm)	Dim. L (mm)	Model female	Dim. A (mm)	Dim. L (mm)
1/8SW	1 HEX	21	3/4FSW	32 HEX	60
1/4SW	14 HEX	24	1FSW	38 HEX	64
3/8SW	17 HEX	27	1 1/4FSW	48 HEX	89
1/2SW	22 HEX	37	1 3/4FSW	57 Dia.	108
3/4SW	32 HEX	30	2FSW	70 Dia.	149
1SW	35 dia.	52	2 3/4FSW	89 Dia.	165
			3FSW	102 Dia.	197
			4FSW	127 Dia.	267

SPRAY CHARACTERISTICS:

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

TYPICAL APPLICATIONS:

Anywhere a wide angle full cone spray is required:

- Chemical Processing
- Cooling Sprays
- Continuous Casting

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. For molded plastic models, please see page 30.

'SW' one piece body		Thread BSPT	MAXIMUM FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
Female	Male			0.2 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	8 bar	0.5 bar	1.5 bar	5 bar	
	1/8 S2.8W	1/8"	1.30	--	0.90	1.07	1.28	1.56	1.80	2.21	2.55	2.85	3.13	3.60	110°	105°	96°	
	1/8 S4.3W	1/8"	1.30	--	1.39	1.64	1.96	2.40	2.77	3.40	3.90	4.40	4.80	5.50	117°	108°	100°	
	1/8 S5.6W	1/8"	1.63	--	1.80	2.14	2.55	3.13	3.60	4.40	5.10	5.70	6.30	7.20	117°	110°	100°	
	1/8 S8W	1/8"	2.06	2.00	2.58	3.05	3.60	4.50	5.20	6.30	7.30	8.20	8.90	10.3	118°	110°	103°	
	1/4 S5.6W	1/4"	1.63	1.40	1.80	2.14	2.55	3.13	3.60	4.40	5.10	5.70	6.30	7.20	120°	108°	102°	
	1/4 S10W	1/4"	2.31	2.50	3.20	3.80	4.60	5.60	6.40	7.90	9.10	10.2	11.2	12.9	118°	108°	102°	
	1/4 S12W	1/4"	2.31	3.00	3.90	4.60	5.50	6.70	7.70	9.50	10.9	12.2	13.4	15.5	120°	112°	102°	
	1/4 S14W	1/4"	2.31	3.50	4.50	5.30	6.40	7.80	9.00	11.1	12.8	14.3	15.6	18.0	118°	114°	104°	
	3/8 S17W	3/8"	2.59	4.20	5.50	6.50	7.70	9.50	11.0	13.4	15.5	17.3	19.0	21.9	118°	117°	102°	
	3/8 S20W	3/8"	2.59	5.00	6.40	7.60	9.10	11.2	12.9	15.8	18.2	20.4	22.3	25.8	120°	120°	106°	
	3/8 S24W	3/8"	2.59	6.00	7.70	9.20	10.9	13.4	15.5	18.9	21.9	24.5	26.8	30.9	122°	118°	106°	
	3/8 S27W	3/8"	2.59	6.70	8.70	10.3	12.3	15.1	17.4	21.3	24.6	27.5	30.1	35.0	122°	120°	107°	
	1/2 S30W	1/2"	3.66	7.50	9.70	11.4	13.7	16.7	19.3	23.7	27.3	30.6	33.0	39.0	120°	118°	110°	
	1/2 S35W	1/2"	3.66	8.70	11.3	13.3	16.0	19.5	22.6	27.6	32.0	36.0	39.0	45.0	122°	118°	108°	
	1/2 S40W	1/2"	4.11	10.0	12.9	15.3	18.2	22.3	25.8	32.0	36.0	41.0	45.0	52.0	122°	119°	104°	
	1/2 S45W	1/2"	4.11	11.2	14.5	17.2	20.5	25.1	29.0	36.0	41.0	46.0	50.0	58.0	141°	118°	108°	
3/4 FS50W	3/4 S50W	3/4"	4.95	12.5	16.1	19.1	22.8	27.9	32.0	39.0	46.0	51.0	56.0	64.5	120°	120°	110°	
3/4 FS71W	3/4 S71W	3/4"	4.95	17.7	22.9	27.1	32.0	40.0	46.0	56.0	65.0	72.0	79.0	92.0	118°	120°	112°	
1 FS13W	1 S13W	1"	5.56	32.0	42.0	50.0	59.0	73.0	84.0	103	119	132	145	168	120°	125°	118°	
1 1/4 FS19W		1 1/4"	6.60	47.0	61.0	72.0	87.0	106	122	150	173	194	212	245	122°	123°	120°	
1 1/2 FS29W		1 1/2"	8.36	72.0	93.0	111	132	162	187	229	264	296	324	374	125°	125°	120°	
2 FS56W		2"	11.1	140	180	214	255	313	361	442	510	571	625	722	125°	125°	118°	
2 1/2 FS83W		2 1/2"	13.5	207	267	317	378	463	535	655	757	846	927	1070	122°	123°	120°	
3 FS107W		3"	17.5	267	345	408	488	597	690	845	975	1090	1195	1379	125°	123°	123°	
4 FS165W		4"	22.2	412	532	629	752	921	1064	1303	1504	1682	1842	2127	125°	125°	123°	