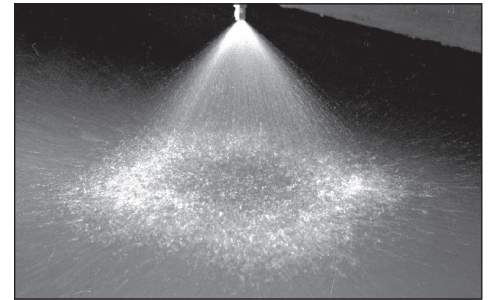
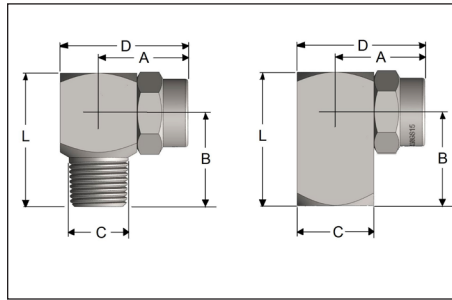




HGSW SERIES SPRAY NOZZLES

FULL CONE • THREADED CONNECTION • TWO-PIECE



SPRAY CHARACTERISTICS:

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

TYPICAL APPLICATIONS:

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

CONSTRUCTION:

Two piece body + removable insert. Sprays at right angle to pipe. The nozzle contains a patented insert with larger flow passages, and is less susceptible to clogging.



Nozzle Size	Dim 'A'	Dim 'B'	Dim 'C'	Dim 'D'	Dim 'L'
1/8HGSW	23/32	11/16	5/8 SQ	1 1/32	1
1/4HGSW	29/32	1	3/4 SQ	1 9/32	1 3/8
3/8HGSW	1 1/32	1 1/16	7/8 SQ	1 15/32	1 17/32
1/2HGSW	1 3/16	1 3/8	1 SQ	1 11/16	1 7/8
1/8FHGSW	23/32	11/16	5/8 SQ	1 1/32	1
1/4FHGSW	29/32	1	3/4 SQ	1 9/32	1 3/8
3/8FHGSW	1 1/32	1 1/16	7/8 SQ	1 15/32	1 17/32
1/2FHGSW	1 3/16	1 3/8	1 SQ	1 11/16	1 7/8

All dimensions are in inches

Model		Maximum 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
1/8FHGS2.8W	1/8HGS2.8W	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
1/8FHGS4.3W	1/8HGS4.3W	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
1/8FHGS5.6W	1/8HGS5.6W	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
1/4FHGS5.6W	1/4HGS5.6W	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		118	110	103
1/8FHGS8W	1/8HGS8W	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		120	108	102
1/4FHGS10W	1/4HGS10W	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
1/4FHGS12W	1/4HGS12W	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
1/4FHGS14W	1/4HGS14W	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
3/8FHGS17W	3/8HGS17W	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
3/8FHGS20W	3/8HGS20W	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
3/8FHGS24W	3/8HGS24W	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
3/8FHGS27W	3/8HGS27W	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
1/2FHGS30W	1/2HGS30W	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
1/2FHGS35W	1/2HGS35W	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
1/2FHGS40W	1/2HGS40W	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
1/2FHGS45W	1/2HGS45W	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

