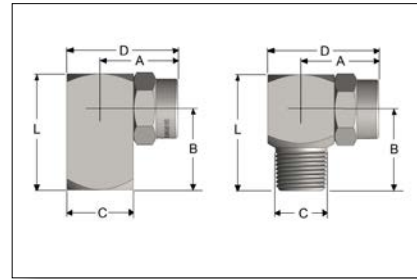




HGSW SERIES NOZZLE SPECIFICATIONS

NOZZLE SIZE	Dim. A	Dim. B	Dim. C	Dim. D	Dim. L
1/8 HGSW	23/32	11/16	5/8 SQ	1 1/32	1
1/4 HGSW	29/32	1	3/4 SQ	1 9/32	1 3/8
3/8 HGSW	1 1/32	1 1/16	7/8 SQ	1 15/32	1 17/32
1/2 HGSW	1 3/16	1 3/8	1 SQ	1 11/16	1 7/8
1/8 FHGSW	21/32	11/16	5/8 SQ	29/32	31/32
1/4 FHGSW	29/32	1	3/4 SQ	1 9/32	1 3/8
3/8 FHGSW	1 1/32	1 3/16	7/8 SQ	1 15/32	1 17/32
1/2 FHGSW	1 3/16	1 3/8	1 SQ	1 11/16	1 7/8



SPRAY CHARACTERISTICS:

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

CONSTRUCTION:

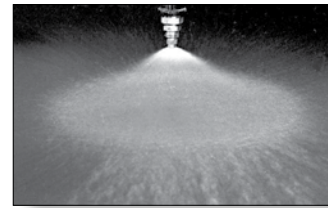
This nozzle contains a patented insert with larger flow passages than older styles, and is less susceptible to clogging. Standard materials are brass, 303 stainless steel and 316 stainless steel.

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
1/8 FHGS2.8W	1/8 HGS2.8W	0.051	--	--	0.23	0.28	0.34	0.40	0.48	0.56	0.69	0.79	0.89	1.08	110	105	96
1/8 FHGS4.3W	1/8 HGS4.3W	0.051	--	--	0.36	0.43	0.53	0.61	0.74	0.86	1.05	1.22	1.36	1.67	117	108	100
1/8 FHGS5.6W	1/8 HGS5.6W	0.064	--	--	0.47	0.56	0.69	0.79	0.97	1.12	1.37	1.58	1.77	2.17	117	110	100
1/4 FHGS5.6W	1/4 HGS5.6W	0.064	--	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
1/8 FHGS8W	1/8 HGS8W	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
1/4 FHGS10W	1/4 HGS10W	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
1/4 FHGS12W	1/4 HGS12W	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
1/4 FHGS14W	1/4 HGS14W	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
3/8 FHGS17W	3/8 HGS17W	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
3/8 FHGS20W	3/8 HGS20W	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
3/8 FHGS24W	3/8 HGS24W	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
3/8 FHGS27W	3/8 HGS27W	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
1/2 FHGS30W	1/2 HGS30W	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
1/2 FHGS35W	1/2 HGS35W	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
1/2 FHGS40W	1/2 HGS40W	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
1/2 FHGS45W	1/2 HGS45W	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