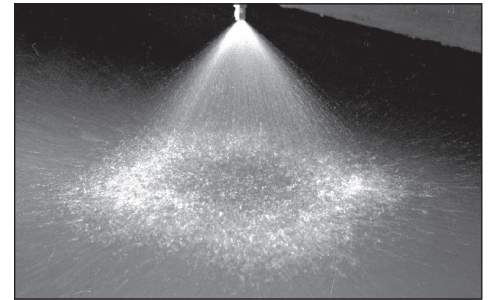
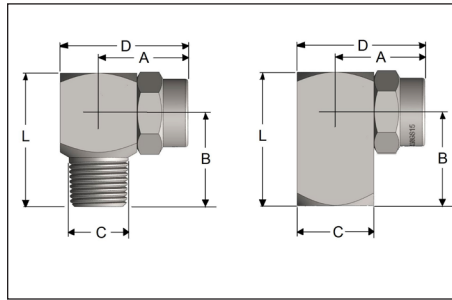




HGSW SERIES SPRAY NOZZLES

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 bar	.5 bar	.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	8 bar	10 bar	0.5 bar	1.5 bar	5 bar
1/8FHGS2.8W	1/8HGS2.8W	1.30	0.70	0.90	1.07	1.28	1.56	1.80	2.21	2.55	2.85	3.13	3.6	4.0	110	105	96
1/8FHGS4.3W	1/8HGS4.3W	1.30	1.07	1.39	1.64	1.96	2.40	2.77	3.4	3.9	4.4	4.8	5.5	6.2	117	108	100
1/8FHGS5.6W	1/8HGS5.6W	1.63	1.40	1.80	2.14	2.55	3.13	3.6	4.4	5.1	5.7	6.3	7.2	8.1	117	110	100
1/4FHGS5.6W	1/4HGS5.6W	1.63	1.40	1.80	2.14	2.55	3.13	3.6	4.4	5.1	5.7	6.3	7.2	8.1	118	110	103
1/8FHGS8W	1/8HGS8W	2.06	2.00	2.58	3.05	3.6	4.5	5.2	6.3	7.3	8.2	8.9	10.3	11.5	120	108	102
1/4FHGS10W	1/4HGS10W	2.31	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	14.4	118	108	102
1/4FHGS12W	1/4HGS12W	2.31	3.00	3.9	4.6	5.5	6.7	7.7	9.5	10.9	12.2	13.4	15.5	17.3	120	112	102
1/4FHGS14W	1/4HGS14W	2.31	3.5	4.5	5.3	6.4	7.8	9.0	11.1	12.8	14.3	15.6	18.0	20.2	118	114	104
3/8FHGS17W	3/8HGS17W	2.59	4.2	5.5	6.5	7.7	9.5	11.0	13.4	15.5	17.3	19.0	21.9	24.5	118	117	102
3/8FHGS20W	3/8HGS20W	2.59	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20.4	22.3	25.8	28.8	120	120	106
3/8FHGS24W	3/8HGS24W	2.59	6.0	7.7	9.2	10.9	13.4	15.5	18.9	21.9	24.5	26.8	30.9	35	122	118	106
3/8FHGS27W	3/8HGS27W	2.59	6.7	8.7	10.3	12.3	15.1	17.4	21.3	24.6	27.5	30.1	35	39	122	120	107
1/2FHGS30W	1/2HGS30W	3.66	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	30.6	33	39	43	120	118	110
1/2FHGS35W	1/2HGS35W	3.66	8.7	11.3	13.3	16.0	19.5	22.6	27.6	32	36	39	45	50	122	118	108
1/2FHGS40W	1/2HGS40W	4.11	10.0	12.9	15.3	18.2	22.3	25.8	31.6	36	41	45	52	58	122	119	104
1/2FHGS45W	1/2HGS45W	4.11	11.2	14.5	17.2	20.5	25.1	29.0	36	41	46	50	58	65	141	118	108

