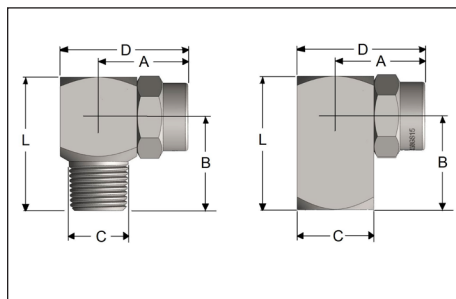
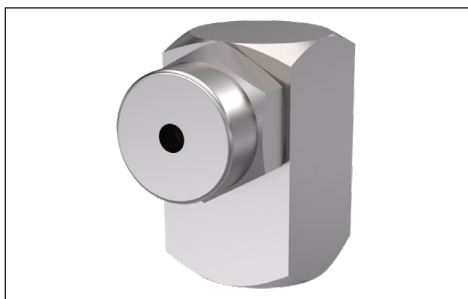




HGS SERIES SPRAY NOZZLES

FULL CONE • THREADED CONNECTION • TWO-PIECE



SPRAY CHARACTERISTICS:

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'
1/8HGS	23/32	11/16	5/8 SQ	11/32	1
1/4HGS	29/32	1	3/4 SQ	19/32	1 3/8
3/8HGS	11/32	1 1/16	7/8 SQ	1 15/32	1 17/32
1/2HGS	1 3/16	1 3/8	1 SQ	1 11/16	1 7/8
1/8FHGS	23/32	11/16	5/8 SQ	11/32	1
1/4FHGS	29/32	1	3/4 SQ	19/32	1 3/8
3/8FHGS	11/32	1 1/16	7/8 SQ	1 15/32	1 17/32
1/2FHGS	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
1/8FHGS1	1/8HGS1	0.033	0.055	0.071	0.084	0.100	0.122	0.141	0.173	0.200	0.245	0.283	0.32	0.39	--	55	52
1/8FHGS1.5	1/8HGS1.5	0.046	0.082	0.106	0.126	0.150	0.184	0.212	0.260	0.300	0.37	0.42	0.47	0.58	--	65	57
1/8FHGS2	1/8HGS2	0.051	0.110	0.141	0.167	0.200	0.245	0.283	0.35	0.40	0.49	0.57	0.63	0.77	54	59	60
1/8FHGS3	1/8HGS3	0.051	0.164	0.212	0.251	0.300	0.37	0.42	0.52	0.60	0.73	0.85	0.95	1.16	50	53	60
1/8FHGS3.5	1/8HGS3.5	0.051	0.192	0.248	0.293	0.35	0.43	0.50	0.61	0.70	0.86	0.99	1.11	1.36	48	58	91
1/8FHGS5	1/8HGS5	0.064	0.274	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	60	75	70
1/4FHGS5	1/4HGS5	0.081	0.274	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	58	68	70
1/8FHGS6	1/8HGS6	0.064	0.33	0.42	0.50	0.60	0.73	0.85	1.04	1.20	1.47	1.70	1.90	2.32	67	72	62
1/4FHGS6.5	1/4HGS6.5	0.091	0.36	0.46	0.54	0.65	0.80	0.92	1.13	1.30	1.59	1.84	2.06	2.52	48	56	50
1/4FHGS7.5	1/4HGS7.5	0.091	0.41	0.53	0.63	0.75	0.92	1.06	1.30	1.50	1.84	2.12	2.37	2.90	55	65	48
1/4FHGS8.5	1/4HGS8.5	0.091	0.47	0.60	0.71	0.85	1.04	1.20	1.47	1.70	2.08	2.40	2.69	3.3	58	65	63
3/8FHGS9.5	3/8HGS9.5	0.102	0.52	0.67	0.79	0.95	1.16	1.34	1.65	1.90	2.33	2.69	3.00	3.7	58	68	62
1/4FHGS10	1/4HGS10	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	60	65	75
3/8FHGS10	3/8HGS10	0.102	0.55	0.71	0.84	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.2	3.9	55	65	62
1/4FHGS14	1/4HGS14	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	78	78	50
3/8FHGS15	3/8HGS15	0.102	0.82	1.06	1.26	1.50	1.84	2.12	2.60	3.00	3.7	4.2	4.7	5.8	63	65	60
3/8FHGS18	3/8HGS18	0.102	0.99	1.27	1.51	1.80	2.20	2.55	3.12	3.6	4.4	5.1	5.7	7.0	85	88	76
3/8FHGS20	3/8HGS20	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	76	72	75
3/8FHGS22	3/8HGS22	0.114	1.20	1.56	1.84	2.20	2.69	3.11	3.8	4.4	5.4	6.2	7.0	8.5	76	78	76
1/2FHGS16	1/2HGS16	0.144	0.88	1.13	1.34	1.60	1.96	2.26	2.77	3.2	3.9	4.5	5.1	6.2	55	60	55
1/2FHGS25	1/2HGS25	0.144	1.37	1.77	2.09	2.50	3.06	3.5	4.3	5.0	6.1	7.1	7.9	9.7	68	73	65
1/2FHGS32	1/2HGS32	0.144	1.75	2.26	2.68	3.2	3.9	4.5	5.5	6.4	7.8	9.1	10.1	12.4	80	90	75
1/2FHGS40	1/2HGS40	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	86	90	81



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