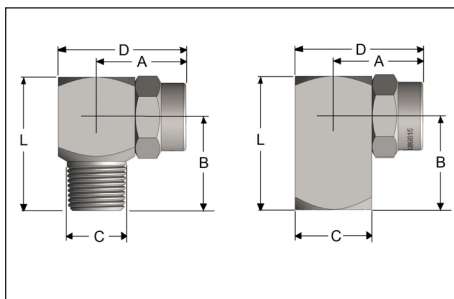
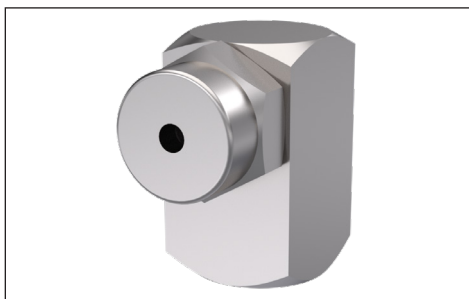




HGS SERIES SPRAY NOZZLES

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 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
1/8FHGS1	1/8HGS1	0.84	0.250	0.32	0.38	0.46	0.56	0.64	0.79	0.91	1.02	1.12	1.29	1.44	--	55	52
1/8FHGS1.5	1/8HGS1.5	1.17	0.37	0.48	0.57	0.68	0.84	0.97	1.18	1.37	1.53	1.67	1.93	2.16	--	65	57
1/8FHGS2	1/8HGS2	1.30	0.50	0.64	0.76	0.91	1.12	1.29	1.58	1.82	2.04	2.23	2.58	2.88	54	59	60
1/8FHGS3	1/8HGS3	1.30	0.75	0.97	1.14	1.37	1.67	1.93	2.37	2.73	3.06	3.3	3.9	4.3	50	53	60
1/8FHGS3.5	1/8HGS3.5	1.30	0.87	1.13	1.33	1.60	1.95	2.26	2.76	3.2	3.6	3.9	4.5	5.0	48	58	91
1/8FHGS5	1/8HGS5	1.63	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	7.2	60	75	70
1/4FHGS5	1/4HGS5	2.06	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	7.2	58	68	70
1/4FHGS6	1/8HGS6	1.63	1.50	1.93	2.29	2.73	3.3	3.9	4.7	5.5	6.1	6.7	7.7	8.6	67	72	62
1/4FHGS6.5	1/4HGS6.5	2.31	1.62	2.09	2.48	2.96	3.6	4.2	5.1	5.9	6.6	7.3	8.4	9.4	48	56	50
1/4FHGS7.5	1/4HGS7.5	2.31	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.7	10.8	55	65	48
1/4FHGS8.5	1/4HGS8.5	2.31	2.12	2.74	3.2	3.9	4.7	5.5	6.7	7.7	8.7	9.5	11.0	12.3	58	65	63
3/8FHGS9.5	3/8HGS9.5	2.59	2.37	3.06	3.6	4.3	5.3	6.1	7.5	8.7	9.7	10.6	12.2	13.7	58	68	62
1/4FHGS10	1/4HGS10	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	60	65	75
3/8FHGS10	3/8HGS10	2.59	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	14.4	55	65	62
1/4FHGS14	1/4HGS14	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	78	78	50
3/8FHGS15	3/8HGS15	2.59	3.7	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	19.3	21.6	63	65	60
3/8FHGS18	3/8HGS18	2.59	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	18.3	20.1	23.2	25.9	85	88	76
3/8FHGS20	3/8HGS20	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	76	72	75
3/8FHGS22	3/8HGS22	2.90	5.5	7.1	8.4	10.0	12.3	14.2	17.4	20.1	22.4	24.6	28.4	32	76	78	76
1/2FHGS16	1/2HGS16	3.66	4.0	5.2	6.1	7.3	8.9	10.3	12.6	14.6	16.3	17.9	20.6	23.1	55	60	55
1/2FHGS25	1/2HGS25	3.66	6.2	8.1	9.5	11.4	14.0	16.1	19.7	22.8	25.5	27.9	32	36	68	73	65
1/2FHGS32	1/2HGS32	3.66	8.0	10.3	12.2	14.6	17.9	20.6	25.3	29.2	33	36	41	46	80	90	75
1/2FHGS40	1/2HGS40	4.11	10.0	12.9	15.3	18.2	22.3	25.8	31.6	36	41	45	52	58	86	90	81



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