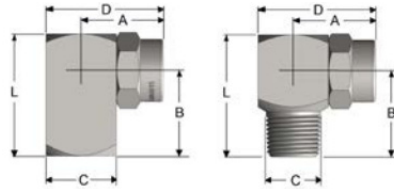
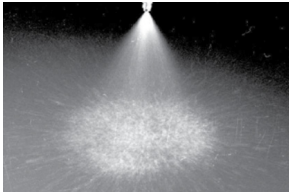


Threaded Nozzles – Full Cone Series HGS



Thread (BSPT)	Dim. A (mm)	Dim. B (mm)	Dim. C (mm)	Dim. D (mm)	Dim. L (mm)
1/8HGS	18	18	16	SQ	26
1/4HGS	23	25	18	SQ	33
3/8HGS	26	27	21	SQ	38
1/2HGS	30	35	26	SQ	43
1/8FHGS	17	18	16	SQ	23
1/4FHGS	23	25	18	SQ	33
3/8FHGS	26	27	21	SQ	38
1/2FHGS	30	35	26	SQ	43

SPRAY CHARACTERISTICS:

Full cone spray pattern, with uniform distribution throughout the cone.

CONSTRUCTION:

The 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:

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

"HGS" two piece body		Thread BSPT	MAX. FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
Female	Male			0.2 bar	0.3 bar	0.5 bar	0.7 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	8 bar	0.5 bar	1.5 bar	5 bar
	1/8HGS1	1/8"	0.84	--	--	--	0.46	0.56	0.64	0.79	0.91	1.02	1.12	1.29	--	55°	52°	
	1/8HGS1.5	1/8"	1.17	--	--	0.57	0.68	0.84	0.97	1.18	1.37	1.53	1.67	1.93	--	65°	57°	
	1/8HGS2	1/8"	1.3	--	--	0.64	0.76	0.91	1.12	1.29	1.58	1.82	2.04	2.23	2.58	54°	59°	60°
	1/8HGS3	1/8"	1.3	--	0.75	0.97	1.14	1.37	1.67	1.93	2.37	2.73	3.06	3.3	3.9	50°	53°	60°
	1/8HGS3.5	1/8"	1.3	0.71	0.87	1.13	1.33	1.6	1.95	2.26	2.76	3.2	3.6	3.9	4.5	48°	58°	61°
	1/8HGS5	1/8"	1.63	1.02	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	60°	75°	70°
	1/8HGS6	1/8"	1.63	1.22	1.5	1.93	2.29	2.73	3.3	3.9	4.7	5.5	6.1	6.7	7.7	67°	72°	70°
	1/4HGS5	1/4"	2.06	1.02	1.25	1.61	1.91	2.28	2.79	3.2	3.9	4.6	5.1	5.6	6.4	58°	68°	62°
	1/4HGS6.5	1/4"	2.31	1.32	1.62	2.09	2.48	2.96	3.6	4.2	5.1	5.9	6.6	7.3	8.4	48°	56°	50°
	1/4HGS7.5	1/4"	2.31	1.53	1.87	2.42	2.86	3.4	4.2	4.8	5.9	6.8	7.6	8.4	9.7	55°	65°	48°
	1/4HGS8.5	1/4"	2.31	1.73	2.12	2.74	3.2	3.9	4.7	5.5	6.7	7.7	8.7	9.5	11	58°	65°	63°
	1/4HGS10	1/4"	2.31	2.04	2.5	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	60°	65°	62°
	1/4HGS14	1/4"	2.31	2.85	3.5	4.51	5.3	6.4	7.8	9	11.1	12.8	14.3	15.6	18	78°	85°	75°
	3/8HGS9.5	3/8"	2.59	1.94	2.37	3.06	3.6	4.3	5.3	6.1	7.5	8.7	9.7	10.6	12.2	58°	68°	62°
	3/8HGS10	3/8"	2.59	2.04	2.5	3.02	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	55°	65°	50°
	3/8HGS15	3/8"	2.59	2.85	3.5	4.8	5.3	6.8	8.4	9.7	11.8	13.7	15.3	16.7	19.3	63°	65°	60°
	3/8HGS18	3/8"	2.59	3.7	4.5	5.8	6.9	8.2	10	11.6	14.2	16.4	18.3	20.1	23.2	85°	88°	76°
	3/8HGS20	3/8"	2.59	4.1	5	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20.4	22.3	25.8	76°	82°	75°
	3/8HGS22	3/8"	2.9	4.5	5.5	7.1	8.4	10	12.3	14.2	17.4	20.1	22.4	24.6	28.4	76°	78°	76°
	1/2HGS16	1/2"	3.66	3.3	4	5.2	6.1	7.3	8.9	10.3	12.6	14.6	16.3	17.9	20.6	55°	60°	55°
	1/2HGS25	1/2"	3.66	5.1	6.2	8.1	9.5	11.4	14	16.1	19.7	22.8	25.5	27.9	32	68°	73°	65°
	1/2HGS32	1/2"	3.66	6.5	8	10.3	12.2	14.6	17.9	20.6	25.3	29.2	33	36	41	80°	90°	75°
	1/2HGS40	1/2"	4.11	8.2	10	12.9	15.3	18.2	22.3	25.8	32	36	41	45	52	86°	90°	81°
3/4FHGS30	3/4HGS30	3/4"	4.11	6.1	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	30.6	33	39	50°	52°	49°
3/4FHGS50	3/4HGS50	3/4"	4.95	10.2	12.5	16.1	19.1	22.8	27.9	32	39	46	51	56	64	65°	70°	65°
3/4FHGS83	3/4HGS83	3/4"	4.95	16.9	20.7	26.7	32	38	46	53	66	76	85	93	107	93°	97°	86°
1FHGS83	1HGS83	1"	5.56	16.9	20.7	26.7	32	38	46	53	66	76	85	93	107	71°	78°	75°
1FHGS106	1HGS106	1"	5.56	21.6	26.5	34	40	48	59	68	84	97	108	118	137	86°	89°	80°
1FHGS120	1HGS120	1"	5.56	24.5	30	39	46	55	67	77	95	109	122	134	155	80°	94°	85°
1FHGS142	1HGS142	1"	5.56	28.9	35	46	54	65	79	92	112	129	145	159	183	88°	92°	83°