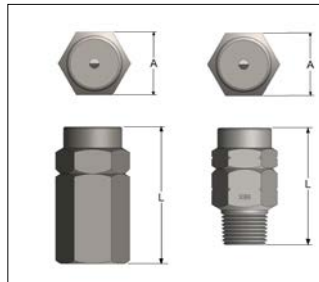




GS SERIES NOZZLE SPECIFICATIONS

NOZZLE SIZE	Dim. A	Dim. L
$\frac{1}{8}$ GS	$\frac{5}{8}$ HEX	$1\frac{5}{16}$
$\frac{1}{4}$ GS	$\frac{11}{16}$ HEX	$1\frac{9}{16}$
$\frac{3}{8}$ GS	$\frac{13}{16}$ HEX	$1\frac{11}{16}$
$\frac{1}{2}$ GS	1 HEX	2
$\frac{1}{8}$ FGS	$\frac{5}{8}$ HEX	$1\frac{9}{32}$
$\frac{1}{4}$ FGS	$\frac{11}{16}$ HEX	$1\frac{21}{32}$
$\frac{3}{8}$ FGS	$\frac{13}{16}$ HEX	$1\frac{15}{16}$
$\frac{1}{2}$ FGS	1 HEX	$2\frac{3}{32}$



SPRAY CHARACTERISTICS:

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

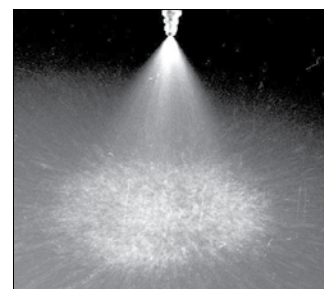
CONSTRUCTION:

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

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
$\frac{1}{8}$ FGS1	$\frac{1}{8}$ GS1	0.033	--	--	--	--	0.12	0.14	0.17	0.20	0.25	0.28	0.32	0.39	--	55	52	
$\frac{1}{8}$ FGS1.5	$\frac{1}{8}$ GS1.5	0.046	--	--	--	0.15	0.18	0.21	0.26	0.30	0.37	0.42	0.47	0.58	--	65	57	
$\frac{1}{8}$ FGS2	$\frac{1}{8}$ GS2	0.051	--	--	0.17	0.20	0.25	0.28	0.35	0.40	0.49	0.57	0.63	0.77	54	59	60	
$\frac{1}{8}$ FGS3	$\frac{1}{8}$ GS3	0.051	--	0.21	0.25	0.30	0.37	0.42	0.52	0.60	0.73	0.85	0.95	1.16	50	53	60	
$\frac{1}{8}$ FGS3.5	$\frac{1}{8}$ GS3.5	0.051	0.19	0.25	0.29	0.35	0.43	0.50	0.61	0.70	0.86	0.99	1.11	1.36	48	58	61	
$\frac{1}{8}$ FGS5	$\frac{1}{8}$ GS5	0.064	0.27	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	
$\frac{1}{4}$ FGS5	$\frac{1}{4}$ GS5	0.081	0.27	0.35	0.42	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	1.94	58	68	62	
$\frac{1}{4}$ FGS6	$\frac{1}{4}$ GS6	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	70	
$\frac{1}{4}$ FGS6.5	$\frac{1}{4}$ GS6.5	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	
$\frac{1}{4}$ FGS7.5	$\frac{1}{4}$ GS7.5	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	
$\frac{1}{4}$ FGS8.5	$\frac{1}{4}$ GS8.5	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	
$\frac{3}{8}$ FGS9.5	$\frac{3}{8}$ GS9.5	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	
$\frac{1}{4}$ FGS10	$\frac{1}{4}$ GS10	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	62	
$\frac{3}{8}$ FGS10	$\frac{3}{8}$ GS10	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	50	
$\frac{1}{4}$ FGS14	$\frac{1}{4}$ GS14	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	75	
$\frac{3}{8}$ FGS15	$\frac{3}{8}$ GS15	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	
$\frac{3}{8}$ FGS18	$\frac{3}{8}$ GS18	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	
$\frac{3}{8}$ FGS20	$\frac{3}{8}$ GS20	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	
$\frac{3}{8}$ FGS22	$\frac{3}{8}$ GS22	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	
$\frac{1}{2}$ FGS16	$\frac{1}{2}$ GS16	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	
$\frac{1}{2}$ FGS25	$\frac{1}{2}$ GS25	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	
$\frac{1}{2}$ FGS32	$\frac{1}{2}$ GS32	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	
$\frac{1}{2}$ FGS40	$\frac{1}{2}$ GS40	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	