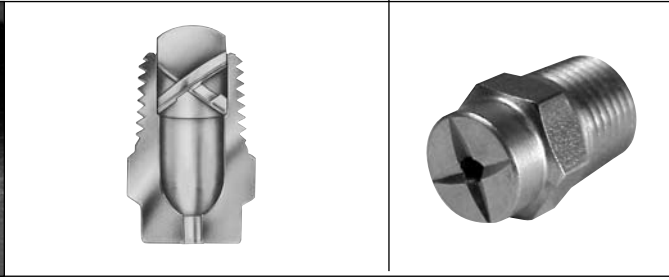


SQ SERIES

Full square spray nozzles



-SPRAY CHARACTERISTICS:

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

CONSTRUCTION:

Standard materials are brass, 303 and 316 stainless. Larger sizes in cast 316 or 303 stainless bar. Some models are also stocked in plastics and other materials.

Please see page 29 for molded plastic models.

TYPICAL APPLICATIONS:

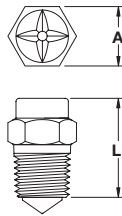
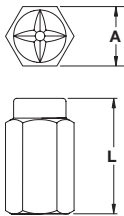
- Chemical Processing
- Cooling Sprays
- Continuous Casting

SQ SERIES

One piece body + non-removable insert

DIMENSIONS

NOZZLE SIZE (BSPT)	Dim. A (mm)	Dim. L (mm)
1/8 SQ	11 HEX	21
1/4 SQ	14 HEX	24
3/8 SQ	17 HEX	29
1/2 SQ	22 HEX	33
3/4 SQ	27 HEX	52
1 FSQ	38 dia.	67
1 1/4 FSQ	48 dia.	89
1 1/2 FSQ	57 dia.	108
2 FSQ	70 dia.	138
2 1/2 FSQ	89 dia.	175

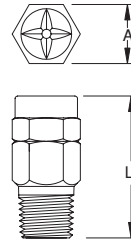
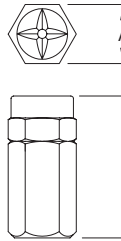


GSQ SERIES

Two piece body + removable insert

DIMENSIONS

NOZZLE SIZE (BSPT)	Dim. A (mm)	Dim. L (mm)
1/8 GSQ	16 HEX	33
1/4 GSQ	18 HEX	40
3/8 GSQ	21 HEX	43
1/2 GSQ	26 HEX	51
1/4 FGSQ	16 HEX	33
1/2 FGSQ	18 HEX	42
3/4 FGSQ	21 HEX	49
1 1/4 FGSQ	26 HEX	53



'SQ' one piece body		'GSQ' two piece body		PIPE SIZE BSPT	MAXIMUM FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
FEMALE	MALE	FEMALE	MALE			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	
	1/8S3.6SQ	1/8FGS3.6SQ	1/8GS3.6SQ	1/8	1.45	--	1.16	1.37	1.64	2.01	2.32	2.84	3.3	3.7	4.0	4.6	42 °	55 °	50 °	
	1/8S4.8SQ	1/8FGS4.8SQ	1/8GS4.8SQ	1/8	1.63	--	1.55	1.83	2.19	2.68	3.09	3.8	4.4	4.9	5.4	6.2	50 °	65 °	60 °	
	1/8S6SQ	1/8FGS6SQ	1/8GS6SQ	1/8	2.06	--	1.93	2.29	2.73	3.3	3.9	4.7	5.5	6.1	6.7	7.7	30 °	65 °	60 °	
	1/4S6SQ	1/4FGS6SQ	1/4GS6SQ	1/4	2.06	1.50	1.93	2.29	2.73	3.3	3.9	4.7	5.5	6.1	6.7	7.7	60 °	65 °	60 °	
	1/4S10SQ	1/4FGS10SQ	1/4GS10SQ	1/4	2.31	2.50	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.9	61 °	67 °	60 °	
	1/4S12SQ	1/4FGS12SQ	1/4GS12SQ	1/4	2.31	3.00	3.9	4.6	5.5	6.7	7.7	9.5	10.9	12.2	13.4	15.5	71 °	76 °	69 °	
	1/4S14SQ	1/4FGS14SQ	1/4GS14SQ	1/4	2.31	3.5	4.5	5.3	6.4	7.8	9.0	11.1	12.8	14.3	15.6	18.0	78 °	85 °	75 °	
	3/8S18SQ	3/8FGS18SQ	3/8GS18SQ	3/8	2.59	4.5	5.8	6.9	8.2	10.0	11.6	14.2	16.4	18.3	20.1	23.2	70 °	75 °	68 °	
	1/2S29SQ	1/2FGS29SQ	1/2GS29SQ	1/2	3.66	7.2	9.3	11.1	13.2	16.2	18.7	22.9	26.4	29.6	32	37	70 °	75 °	68 °	
	1/2S36SQ	1/2FGS36SQ	1/2GS36SQ	1/2	3.66	9.0	11.6	13.7	16.4	20.1	23.2	28.4	33	37	40	46	80 °	85 °	77 °	
	3/4S50SQ			3/4	4.95	12.5	16.1	19.1	22.8	27.9	32	39	46	51	56	64	70 °	75 °	68 °	
1FS106SQ				1	5.56	26.5	34	40	48	59	68	84	97	108	118	137	77 °	80 °	72 °	
1 1/4FS177SQ				1 1/4	6.60	44	57	67	81	99	114	140	161	180	198	228	77 °	80 °	72 °	
1 1/2FS230SQ				1 1/2	9.96	57	74	88	105	128	148	182	210	234	257	296	74 °	79 °	72 °	
2FS290SQ				2	11.13	72	93	111	132	162	187	229	264	296	324	374	65 °	70 °	65 °	
2FS360SQ				2	11.13	90	116	137	164	201	232	284	328	367	402	464	70 °	75 °	70 °	
2FS480SQ				2	11.13	120	155	183	219	268	309	379	438	489	536	619	78 °	80 °	76 °	
2 1/2FS590SQ				2 1/2	13.49	147	190	225	269	329	380	466	538	601	659	761	75 °	80 °	73 °	