

## Wide angle full square nozzles

## SWSQ SERIES

### SPRAY CHARACTERISTICS:

Full cone wide angle spray pattern, with uniform distribution through the approximately square cone.

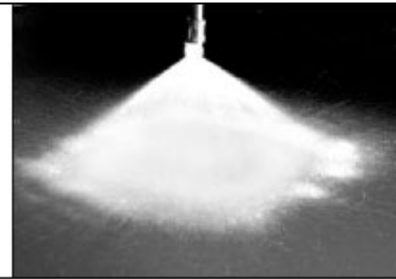
### CONSTRUCTION:

Standard materials are brass, 303 and 316 stainless steel. Some models are

also stocked in other materials. See page 31 for PSWSQ plastic wide angle full square nozzles in larger capacities.

### TYPICAL APPLICATIONS:

Same as full square (pg. 26) but for applications where a wider angle is required.



'SWSQ' one piece body		PIPE SIZE BSPT	MAXIMUM FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
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	
	1/4S14WSQ	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	99°	95°	84°	
	3/8S17WSQ	3/8	2.59	4.2	5.5	6.5	7.7	9.5	11.0	13.4	15.5	17.3	19.0	21.9	98°	94°	82°	
	3/8S20WSQ	3/8	2.59	5.0	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20.4	22.3	25.8	102°	102°	86°	
	3/8S24WSQ	3/8	2.59	6.0	7.7	9.2	10.9	13.4	15.5	18.9	21.9	24.5	26.8	30.9	104°	102°	86°	
	3/8S27WSQ	3/8	2.59	6.7	8.7	10.3	12.3	15.1	17.4	21.3	24.6	27.5	30.1	35	104°	102°	87°	
	1/2S30WSQ	1/2	3.66	7.5	9.7	11.4	13.7	16.7	19.3	23.7	27.3	30.6	33	39	100°	96°	85°	
	1/2S35WSQ	1/2	3.66	8.7	11.3	13.3	16.0	19.5	22.6	27.6	32	36	39	45	104°	99°	88°	
	1/2S40WSQ	1/2	4.11	10.0	12.9	15.3	18.2	22.3	25.8	32	36	41	45	52	106°	104°	90°	
	1/2S45WSQ	1/2	4.11	11.2	14.5	17.2	20.5	25.1	29.0	36	41	46	50	58	106°	104°	94°	
3/4FS50WSQ	3/4S50WSQ	3/4	4.95	12.5	16.1	19.1	22.8	27.9	32	39	46	51	56	64	108°	102°	97°	
3/4FS71WSQ	3/4S71WSQ	3/4	4.95	17.7	22.9	27.1	32	40	46	56	65	72	79	92	99°	102°	93°	
1FS130WSQ	1S130WSQ	1	5.56	32	42	50	59	73	84	103	119	132	145	168	102°	107°	99°	
1 1/4FS190WSQ		1 1/4	6.60	47	61	72	87	106	122	150	173	194	212	245	104°	105°	102°	
1 1/2FS290WSQ		1 1/2	8.36	72	93	111	132	162	187	229	264	296	324	374	107°	107°	102°	
2FS560WSQ		2	11.1	140	180	214	255	313	361	442	510	571	625	722	107°	107°	99°	
2 1/2FS830WSQ		2 1/2	13.5	207	267	317	378	463	535	655	757	846	927	1070	104°	105°	102°	
3FS1070WSQ		3	17.5	267	345	408	488	597	690	845	975	1090	1195	1379	107°	105°	105°	

### DIMENSIONS

NOZZLE SIZE (BSPT)	Dim. A (mm)	Dim. L (mm)
1/4SWSQ	14 HEX	24
3/8SWSQ	17 HEX	30
1/2SWSQ	22 HEX	37
3/4SWSQ	32 HEX	56
1SWSQ	27 HEX	43
1 1/4SWSQ	38 HEX	67
1 1/2SWSQ	35 HEX	52
2SWSQ	48 dia.	95
2 1/2SWSQ	57 dia.	108
3SWSQ	70 dia.	149
	92 dia.	165
	102 dia.	197

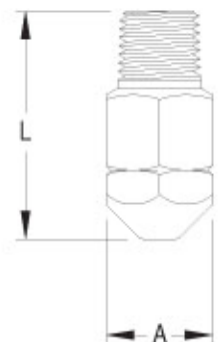
FULL CONE SPRAY

## Narrow angle full cone spray nozzles

## GS30, S30

With a narrow spray angle and a larger droplet size, BEX 30 degree full cone nozzles have more impact per unit area than the wider angle full cone sprays. Standard connections are BSPT threads. BSPT

threads are also available. GS and FGS styles may be disassembled for cleaning. Stock materials are brass, 303 stainlesssteel and 316 stainless steel.



MODEL NUMBER		PIPE SIZE BSPT	MAXIMUM FREE PASSAGE (mm)	Dimensions		CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
FEMALE	MALE			"A" (mm)	"L" (mm)	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	7 bar	10 bar	12 bar	15 bar	1 bar	3 bar	8 bar		
1/8FGS3001.4	1/8GS3001.4	1/8	0.71	16 Hex	33	0.32	0.39	0.45	0.55	0.64	0.71	0.84	1.01	1.11	1.24	17°	30°	31°		
1/8FGS3002.5	1/8GS3002.5	1/8	0.91	16 Hex	33	0.57	0.70	0.81	0.99	1.14	1.27	1.51	1.80	1.97	2.21	17°	30°	32°		
1/8FGS3004	1/8GS3004	1/8	1.24	16 Hex	37	0.91	1.12	1.29	1.58	1.82	2.04	2.51	2.88	3.16	3.5	26°	30°	32°		
1/8FGS3007	1/8GS3007	1/8	1.45	16 Hex	37	1.60	1.95	2.26	2.76	3.2	3.6	4.2	5.0	5.5	6.2	23°	30°	30°		
1/4FGS3009	1/4GS3009	1/4	1.70	17 Hex	38	2.05	2.51	2.90	3.6	4.1	4.6	5.4	6.5	7.1	7.9	23°	30°	30°		
3/8FGS3014	3/8GS3014	3/8	2.06	21 Hex	54	3.2	3.9	4.51	5.5	6.4	7.1	8.4	10.1	11.1	12.4	26°	30°	31°		
1/2FGS3030	1/2GS3030	1/2	2.90	26 Hex	59	6.8	8.4	9.7	11.8	13.7	15.3	18.1	21.6	23.7	26.5	31°	30°	31°		
3/4FGS3050	3/4GS3050	3/4	4.11	35 Hex	89	11.4	14.0	16.1	19.7	22.8	25.5	30.2	36	39	44	26°	30°	31°		
1S3070		1/2	4.90	35 round	92	15.6	20.0	22.6	27.6	32	36	42	50	55	62	27°	30°	30°		
1S30100		1/2	5.84	35 round	92	22.8	27.9	32	40	46	51	60	72	79	88	27°	30°	30°		
1 1/4FS30150		3/4	7.16	45 round	127	34	42	48	59	68	76	90	108	118	132	27°	30°	30°		
1 1/4FS30200		3/4	8.28	45 round	127	45	56	64	79	91	102	121	144	158	177	27°	30°	30°		
1 1/2FS30250		1/2	9.14	51 round	156	57	70	81	99	114	127	151	180	197	221	27°	30°	30°		
1 1/2FS30300		1/2	10.3	51 round	156	68	83	97	118	137	153	181	216	237	265	27°	30°	30°		
2S30350		2	10.9	61 round	200	79	98	113	138	160	178	211	252	276	309	28°	30°	30°		
2S30400		2	11.7	61 round	200	91	112	129	158	182	204	241	288	316	353	28°	30°	30°		
2S30500		2	12.7	61 round	200	113	140	161	197	228	255	301	360	395	441	28°	30°	30°		
2 1/2FS30600		2 1/2	14.2	76 round	264	137	167	193	237	273	306	362	432	474	530	28°	30°	30°		
2 1/2FS30700		2 1/2	15.2	76 round	264	160	195	226	276	319	357	422	504	553	618	28°	30°	30°		
2 1/2FS301000		2 1/2	18.5	76 round	264	228	279	322	395	456	510	603	721	789	883	28°	30°	30°		
2 1/2FS301100		2 1/2	19.3	76 round	264	251	307	355	434	501	561	663	793	868	971	28°	30°	30°		
2 1/2FS301200		2 1/2	20.3	76 round	264	274	335	387	474	547	611	724	865	947	1059	28°	30°	30°		