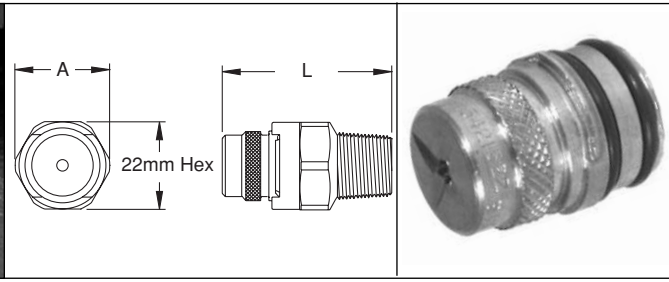


ZSQ SERIES

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.

Please see page 40 for body styles and adapters.

TYPICAL APPLICATIONS:

- Chemical Processing
- Cooling Sprays
- Continuous Casting

U.S. Patent No. 4,142,682

Canadian Patent No. 1,050,589

ZSQ SERIES

One piece body + removable insert



DIMENSIONS

NOZZLE BSPT PIPE SIZE	Length L (mm)	Dim. A (mm)
1/8 ZSQ	41	25
1/4 ZSQ	43	25
3/8 ZSQ	44	25
1/2 ZSQ	46	25
3/8 ZLSQ	54	32
1/2 ZLSQ	56	32

ZGSQ SERIES

Two piece body + removable insert



DIMENSIONS

NOZZLE BSPT PIPE SIZE	Length L (mm)	Dim. A (mm)
1/8 ZGSQ	50	25
1/4 ZGSQ	54	25
3/8 ZGSQ	65	25
1/2 ZGSQ	67	28
3/8 ZLGSQ	71	32
1/2 ZLGSQ	73	32

QUICK DISCONNECT

ZSQ' one piece tip	ZGSQ' two piece tip		ZHGSQ' Right Angle two piece tip		MAXIMUM FREE PASSAGE (mm)	CAPACITY (L/min) AT VARIOUS PRESSURES (bar)												Spray Angle @		
	ZGSQ	ZLGSQ	ZHGSQ	ZLHGSQ		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	
ZS3.6SQ	ZGS3.6SQ		ZHGS3.6SQ		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°	
ZS4.8SQ	ZGS4.8SQ		ZHGS4.8SQ		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°	
ZS6SQ	ZGS6SQ		ZHGS6SQ		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°	
ZS10SQ	ZGS10SQ		ZHGS10SQ		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°	
ZS12SQ	ZGS12SQ		ZHGS12SQ		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°	
ZS14SQ	ZGS14SQ		ZHGS14SQ		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°	
ZS18SQ	ZGS18SQ		ZHGS18SQ		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°	
	ZLS29SQ	ZLGS29SQ		ZLHGS29SQ	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°	
	ZLS36SQ	ZLGS36SQ		ZLHGS36SQ	3.66	9.0	11.6	13.7	16.4	20.1	23.2	28.4	33	37	40	46	80°	85°	77°	