

# TYPE.KBN

## SOLID CONE SPRAY NOZZLE

Data Sheet 07091501 Rev.01

### SPRAY CHARACTERISTICS

Uniform distribution of droplets in a wide angle solid cone spray pattern.

Droplet size is larger than in hollow cone nozzles of equal capacity.

Spray angle affected with pressure

Also available in Male body

### NOZZLE PROPERTIES

One piece body with pressed cross-milled core

Available in a range of BSPT thread sizes

Standard material availability of Brass, 303 and 316 Stainless Steel

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### Capacity Chart

NOZZLE NUMBER	THREAD SIZE	SPRAY ANGLE @ 2 BAR	FLOW RATE IN LITRES/MIN AT Bar.G							
			0.35	1	1.5	2	3	4	6	7
6	1/8" 1/4"	100°	0.88	1.50	1.88	2.18	2.65	2.87	3.41	3.54
8	1/8" 1/4"	120°	1.30	2.28	2.84	3.23	4.00	4.55	5.38	5.72
11	1/8" 1/4"	120°	1.63	3.23	3.86	4.31	5.15	5.45	6.73	7.43
15	1/4"	110°	2.60	4.50	5.26	5.59	6.64	7.24	8.70	9.16
18	1/4"	120°	3.10	5.39	6.30	6.70	7.96	8.68	10.43	10.98
22	1/4" 3/8"	110°	3.95	6.84	8.0	8.50	10.10	11.01	13.23	13.94
25	3/8"	120°	4.27	7.24	8.43	9.32	11.01	12.32	14.65	15.76
32	3/8"	110°	5.90	9.15	10.80	11.92	14.30	15.78	18.90	19.90
39	3/8"	120°	7.20	11.15	13.14	14.52	17.40	19.20	23.00	24.25
46	3/8" 1/2"	112°	8.13	13.64	15.86	17.27	19.29	22.32	25.45	27.88
48	3/8" 1/2"	120°	8.33	15.25	16.87	18.18	23.13	24.54	29.80	32.52
59	1/2"	128°	9.29	15.96	19.29	22.32	26.06	28.18	34.64	37.67
65	1/2"	110°	12.00	18.60	21.92	24.21	29.00	32.05	38.37	40.40
73	1/2"	120°	13.50	20.88	24.50	27.19	32.60	36.00	43.10	45.40
82	3/4"	112°	15.35	23.74	27.98	30.91	37.07	40.91	48.99	51.61
94	3/4"	120°	16.77	26.87	32.72	35.45	41.92	45.96	56.26	59.89
98	3/4"	120°	18.08	27.78	34.24	37.27	44.34	50.00	59.59	64.54
136	1"	115°	24.14	42.32	48.18	51.41	60.20	67.77	81.20	86.86
153	1"	120°	27.88	46.97	53.93	57.97	67.47	76.36	91.30	98.07
200	1"	125°	29.69	51.41	62.62	75.95	88.68	99.59	120.2	130.3

### Dimensions and Weights

DIMENSIONS (mm)				WEIGHT (g)
THREAD	A Hex	B	C	
1/8"	11.3	17.5	9.6	10
1/4"	15.3	24.5	13.0	24
3/8"	18.0	25.5	14.0	35
1/2"	25.6	32.0	16.1	75
3/4"	28.0	36.0	19.0	115
1"	38.0	50.0	28.5	290

