

CBQ

INDUSTRIAL SPRAY NOZZLES - SOLID CONE

SPRAY CHARACTERISTICS

- Uniform distribution of droplet in a solid cone square shaped spray pattern.
- Droplet size is larger than in hollow cone nozzles of equal capacity.
- Impact of spray is generally greater with narrower spray angles, assuming the same flow rate. Pressure increases affect spray angle.

CONSTRUCTION AND MATERIALS

- One piece body with pressed-in, cross-milled core which is removable.
- Core imparts the necessary swirl to produce a solid cone spray pattern.
- Hexagon body for easy installation eliminates distortion of orifice during installation.
- Supplied in Male BSPP thread only.
- Brass and 316 Stainless Steel are standard.
- Other materials available to special order.

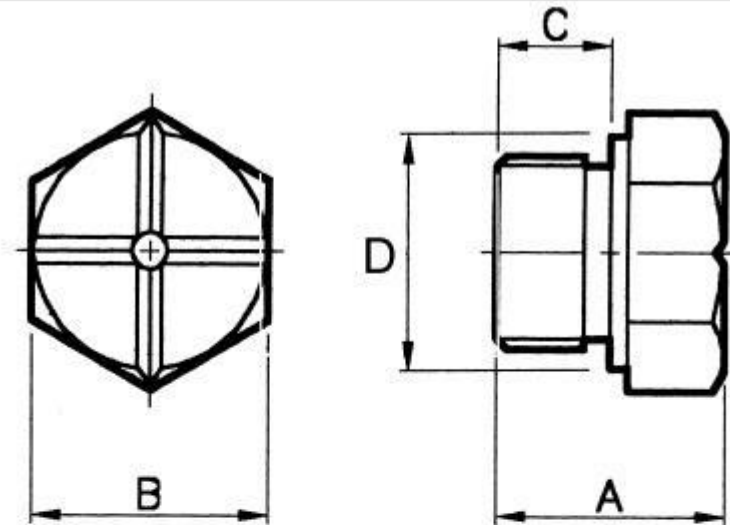
ORDER EXAMPLE

3/4" CBQ 89 Brass.

Maximum Recommended Pressure: 35 Bar.G. (Metal), 7 Bar.G. (Plastic)



CAPACITY CHARTS



DIMENSIONS AND WEIGHTS

Thread Size	Dimensions (mm)				Weight (g)
	A	B Hex	C	D Dia	
1/8"	10,7	14,0	6,4	12,7	10
1/4"	14,0	18,0	7,0	16,5	20
3/8"	20,0	20,8	10,0	20,0	32
1/2"	25,4	25,7	12,7	24,9	63
3/4"	33,3	31,8	15,9	31,0	105
1"	47,6	38,0	19,1	38,0	210

CAPACITY CHART

NOZZLE NUMBER	BSPP THREAD SIZE						FLOW RATE IN LITRES/MIN AT Bar.G.										SPRAY ANGLES (°) AT Bar.G.		
	1/8	1/4	3/8	1/2	3/4	1	0,35	0,7	1	1,5	2	3	4	6	7	8	,7	2	6
CBQ 6							0,88	1,25	1,50	1,88	2,18	2,65	2,87	3,41	3,54	3,76	40	47	40
CBQ 8							1,30	1,86	2,28	2,84	3,23	4,00	4,55	5,38	5,72	5,97	44	56	53
CBQ 11							1,63	2,32	2,87	3,62	4,05	4,87	5,36	6,30	6,74	7,06	52	64	58
CBQ 12							2,09	2,79	3,41	4,09	4,55	5,30	5,91	7,02	7,58	8,01	62	70	58
CBQ 16							2,50	3,58	4,41	5,30	6,14	7,27	8,00	9,51	10,04	10,61	62	70	58
CBQ 20							3,11	4,46	5,46	6,50	7,54	9,06	10,00	11,92	12,63	13,43	62	73	58
CBQ 22							3,58	5,11	6,24	7,51	8,32	9,78	10,91	13,23	14,24	14,95	70	80	62
CBQ 12							2,00	2,79	3,32	4,19	4,73	5,83	6,60	7,79	8,17	8,65	36	45	39
CBQ 16							2,50	3,58	4,41	5,30	6,14	7,27	8,00	9,51	10,04	10,61	57	60	55
CBQ 20							3,11	4,46	5,46	6,50	7,54	9,06	10,00	11,92	12,63	13,43	61	73	58
CBQ 22							3,58	5,11	6,24	7,51	8,32	9,78	10,91	13,23	14,24	14,95	70	80	62
CBQ 27							4,23	6,04	7,42	9,01	10,10	12,32	13,64	16,06	17,47	18,08	70	80	62
CBQ 32							5,81	7,25	8,88	10,81	12,32	14,44	15,96	19,29	20,40	22,12	70	80	62
CBQ 27							4,23	6,04	7,42	9,01	10,10	12,32	13,64	16,06	17,47	18,08	44	53	51
CBQ 32							5,81	7,25	8,88	10,81	12,32	14,44	15,96	19,29	20,40	22,12	60	70	61
CBQ 42							6,74	9,67	11,82	14,44	15,96	19,29	21,41	24,95	27,37	28,48	70	76	64
CBQ 49							8,17	11,62	14,24	16,36	18,69	23,13	25,05	29,29	32,52	33,94	79	86	72
CBQ 63							10,20	14,44	17,07	20,50	23,84	28,89	32,22	38,48	41,31	43,94	80	86	70
CBQ 47							7,48	10,61	13,03	14,95	17,78	21,11	26,63	28,48	30,20	31,71	43	57	42
BQF 63							10,20	14,44	17,07	20,50	23,84	28,89	32,22	38,48	41,31	43,94	60	69	53
CBQ 77							12,32	17,68	20,50	23,94	29,09	34,95	38,68	45,65	49,29	52,02	70	73	60
CBQ 89							13,94	20,00	23,74	29,39	33,63	40,00	44,54	52,92	56,26	59,29	82	85	67
CBQ 102							14,85	20,91	27,37	33,73	38,68	46,26	50,00	60,10	64,54	67,87	85	97	74
CBQ 73							11,92	16,26	20,00	22,62	27,78	34,24	38,68	45,65	50,00	52,02	35	41	44
CBQ 105							16,26	23,23	27,78	33,73	39,79	48,18	52,32	62,42	67,37	71,51	51	57	49
CBQ 123							19,49	28,38	34,64	42,32	46,56	57,77	63,63	75,95	80,40	85,55	66	73	57
CBQ 140							22,73	32,02	38,18	45,25	53,23	62,12	68,18	80,80	85,95	90,90	75	81	52
CBQ 162							25,55	36,26	44,64	53,03	61,41	72,22	79,08	95,14	101,00	108,07	74	86	63
CBQ 193							28,79	41,81	50,10	60,70	73,23	87,57	99,08	119,18	128,27	135,34	82	100	80