

CAC

## INDUSTRIAL SPRAY NOZZLES - FLAT SPRAY

### SPRAY CHARACTERISTICS

- Produces a uniform, flat spray pattern without hard edges at pressure of 0.5 bar and up.
- Tapered edges of pattern allow overlapping for even distribution.
- Impact of spray is generally greater with narrower spray angles assuming equal flow rates.
- Available spray angles of 0°, 15°, 25°, 40°, 50°, 65°, 80°, 90°, 100° and 110°.

### CONSTRUCTION AND MATERIALS

- One piece Male BSPP thread design (1/16" size is NPT only).
- Hexagon body with wrench flats avoid distortion when tightening.
- Tapered inlet reduces wear and resists clogging.
- Brass, Stainless Steel and Hardened Stainless Steel.
- Other materials available to special order.

### Order Example

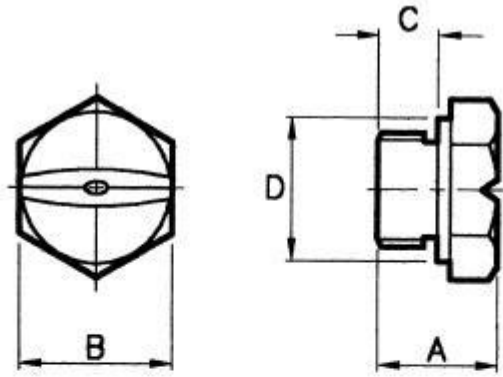
1/4" CAC 10-50° Brass.

Maximum Recommended Pressure:

70 Bar.G. (Metal) 7 Bar.G. (Plastic)



## CAPACITY CHARTS



### DIMENSIONS AND WEIGHTS

<i>Thread Size</i>	<i>Nozzle Type</i>	<i>Dimensions (mm)</i>				<i>Weight (g)</i>
		<i>A</i>	<i>B Hex</i>	<i>C</i>	<i>D Dia</i>	
1/16	CAC	9,5	10,0	3,2	-	3
1/8	CAC	9,1	11,3	4,4	11,0	6
1/4	CAC	14,0	18,0	7,0	16,5	17
3/8	CAC	17,0	20,8	10,0	20,0	28
1/2	CAC	22,2	25,7	12,7	24,9	50
3/4	CAC	23,0	31,8	12,7	31,0	110

# CAPACITY CHART

NOZZLE NUMBER	THREAD SIZE <small>(BSPP except 1/16 which is NPT)</small>						EQUIV. ORIFICE DIA. (mm)	FLOW RATE IN LITRES/MIN AT Bar.G.							SPRAY ANGLES (°) @ 2.8 Bar.G.										
	1/16	1/8	1/4	3/8	1/2	3/4		0,7	1,0	2	3	4	5	7	10	0	15	25	40	50	65	80	90	100	110
1,0							0,66	0,19	0,23	0,32	0,40	0,45	0,50	0,62	0,71			*	*	*	*	*	*	*	*
1,5							0,76	0,28	0,34	0,49	0,59	0,68	0,76	0,90	1,12			*	*	*	*	*	*	*	*
2,0							0,9	0,38	0,46	0,65	0,80	0,89	0,99	1,24	1,43									*	*
3,0							1,10	0,57	0,68	0,97	1,18	1,36	1,53	1,81	2,23									*	*
4,0							1,25	0,75	0,90	1,27	1,56	1,83	2,03	2,38	2,86										*
4,5							1,3	0,85	1,01	1,43	1,75	2,05	2,29	2,70	3,21										
5,0							1,4	0,96	1,15	1,62	1,99	2,28	2,55	3,02	3,62										
5,5							1,45	1,05	1,26	1,78	2,18	2,50	2,81	3,29	4,11										
6,0							1,5	1,15	1,37	1,94	2,37	2,72	3,07	3,61	4,46										
6,5							1,6	1,24	1,48	2,09	2,56	3,00	3,33	3,80	4,91										
7,0							1,65	1,33	1,59	2,25	2,75	3,21	3,54	4,21	5,36										
8,0							1,75	1,53	1,83	2,59	3,17	3,66	3,98	5,03	5,80										
8,5							1,8	1,62	1,94	2,74	3,36	3,88	4,32	5,03	5,80										
9,0							1,9	1,72	2,05	2,90	3,55	4,11	4,75	5,50	6,25										
10							2,0	1,90	2,27	3,21	3,93	4,46	5,19	5,95	7,14										
12,5							2,2	2,40	2,90	4,02	4,97	5,69	6,38	7,55	9,04										
15							2,4	2,84	3,44	4,21	6,16	6,70	7,78	9,15	10,71										
20							2,8	3,80	4,46	6,25	8,05	9,37	9,94	12,35	14,73										
25							3,1	4,80	5,80	8,03	9,94	11,38	12,75	15,09	18,08										
30							3,6	5,95	6,70	9,82	11,84	13,84	15,13	17,84	21,43										
40							4,0	7,78	9,37	12,05	15,62	18,30	20,57	24,25	28,57										
50							4,4	9,61	11,61	16,07	19,89	22,77	25,50	30,19	36,16										
60							4,8	11,44	13,84	19,20	23,67	27,23	30,69	36,14	43,30										
70							5,2	13,27	16,07	22,77	27,46	32,14	35,88	42,54	50,45										
80							5,6	15,10	18,75	25,45	31,72	36,61	41,06	48,03	57,14										
100							6,4	19,21	22,77	31,70	39,30	45,53	51,00	60,38	72,32										
125							7,0	24,01	28,46	39,62	49,12	56,91	63,75	75,48	90,40										
150							7,5	28,82	34,37	48,21	59,19	68,31	76,50	90,10	108,0										
200							8,8	37,96	45,53	64,28	79,07	91,10	102,0	120,3	143,8										
250							9,8	45,57	58,84	80,36	98,50	113,4	127,5	150,0	179,9										
300							10,8	57,18	68,30	96,87	118,4	136,6	152,6	180,7	215,6										

\* Brass Only