RBN

INDUSTRIAL SPRAY NOZZLES - SOLID CONE

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.*
- *Impact of spray is generally lower than narrower spray angles, assuming the same flow rate. Pressure increases affect spray angle.*

CONSTRUCTION AND MATERIALS

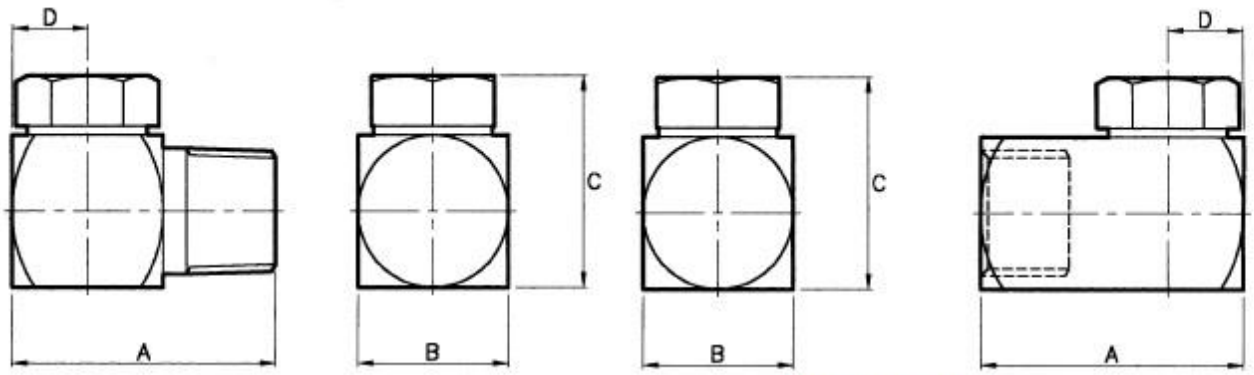
- *One piece body with pressed-in, crossed-milled fitted into a 90° adaptor.*
- *Core imparts the necessary swirl to produce a solid cone spray pattern.*
- *Available with Male BSPT and Female BSPP threads.*
- *Brass and 316 Stainless Steel are standard.*
- *Other materials available to special order.*

ORDER EXAMPLE

3/4" RBNM (Male) 94 Stainless Steel.

1/2" RBNF (Female) 59 Brass.

CAPACITY CHARTS



RBNM (MALE)

RBNF (FEMALE)

DIMENSIONS AND WEIGHTS

Thread Size	Nozzle Type	Dimensions (mm) A	B Sq	C	D	Weight (g)
1/8"	RBNM	25,4	15,9	22,3	8,0	47
1/8"	RBNF	25,4	15,9	22,3	8,0	60
1/4"	RBNM	28,5	15,9	21,0	8,0	53
1/4"	RBNF	28,5	15,9	21,0	8,0	66
3/8"	RBNM	35,0	19,0	26,0	9,5	89
3/8"	RBNF	35,0	19,0	26,0	9,5	100
1/2"	RBNM	44,5	25,4	35,5	12,7	184
1/2"	RBNF	44,5	25,4	35,5	12,7	200
3/4"	RBNM	57,0	31,8	43,0	16,0	350
3/4"	RBNF	57,0	31,8	43,0	16,0	370
1"	RBNM	76,0	38,1	50,0	19,0	695
1"	RBNF	76,0	38,1	50,0	19,0	715

CAPACITY CHART

NOZZLE NUMBER		BSPT THREAD SIZE						FLOW RATE IN LITRES/MIN AT Bar.G.										SPRAY ANGLES (°) AT Bar.G.		
Female	Male	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
RBNF 6	RBNM 6	■	■					0,88	1,25	1,50	1,88	2,18	2,65	2,87	3,41	3,54	3,76	110	100	90
RBNF 8	RBNM 8	■	■					1,30	1,86	2,28	2,84	3,23	4,00	4,55	5,38	5,72	5,97	125	120	100
RBNF 11	RBNM 11	■	■					1,86	2,79	3,23	3,86	4,31	5,15	5,45	6,73	7,43	7,70	115	120	95
RBNF 15	RBNM 15		■					2,60	3,67	4,50	5,26	5,59	6,64	7,24	8,70	9,16	9,70	115	110	90
RBNF 18	RBNM 18		■					3,10	4,40	5,39	6,30	6,70	7,96	8,68	10,43	10,98	11,63	120	120	95
RBNF 22	RBNM 22		■	■				3,95	5,58	6,84	8,0	8,50	10,10	11,01	13,23	13,94	14,75	113	110	90
RBNF 25	RBNM 25			■				4,27	6,04	7,24	8,43	9,32	11,01	12,32	14,65	15,76	16,26	120	120	100
RBNF 32	RBNM 32			■				5,90	7,70	9,15	10,80	11,92	14,30	15,78	18,90	19,90	21,26	115	110	85
RBNF 39	RBNM 39			■				7,20	9,40	11,15	13,14	14,52	17,40	19,20	23,00	24,25	25,90	120	120	90
RBNF 46	RBNM 46			■	■			8,13	11,62	13,64	15,86	17,27	19,29	22,32	25,45	27,88	29,39	125	112	90
RBNF 48	RBNM 48			■	■			8,33	12,52	15,25	16,87	18,18	23,13	24,54	29,80	32,52	34,34	125	120	90
RBNF 59	RBNM 59				■			9,29	13,23	15,96	19,29	22,32	26,06	28,18	34,64	37,67	40,70	130	128	100
RBNF 65	RBNM 65				■			12,00	15,65	18,60	21,92	24,21	29,00	32,05	38,37	40,40	43,20	115	110	85
RBNF 73	RBNM 73				■			13,50	17,60	20,88	24,50	27,19	32,60	36,00	43,10	45,40	48,50	115	120	90
RBNF 82	RBNM 82					■		15,35	20,0	23,74	27,98	30,91	37,07	40,91	48,99	51,61	55,15	115	112	90
RBNF 94	RBNM 94					■		16,77	22,32	26,87	32,72	35,45	41,92	45,96	56,26	59,89	63,33	119	120	91
RBNF 98	RBNM 98					■		18,08	23,23	27,78	34,24	37,27	44,34	50,00	59,59	64,54	67,87	112	120	90
RBNF 136	RBNM 136						■	24,14	35,25	42,32	48,18	51,41	60,20	67,77	81,20	86,86	91,41	118	115	75
RBNF 153	RBNM 153						■	27,88	38,08	46,97	53,93	57,97	67,47	76,36	91,30	98,07	108,07	125	120	85
RBNF 200	RBNM 200						■	29,69	42,32	51,41	62,62	75,95	88,68	99,59	120,19	130,29	139,38	118	125	90