

BQ

INDUSTRIAL SPRAY NOZZLES - SOLID CONE

SPRAY CHARACTERISTICS

- Uniform distribution of droplets 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.
- Available with Male BSPT and Female BSPP threads.
- Brass and 303 Stainless Steel are standard.
- Other materials available to special order.

ORDER EXAMPLE

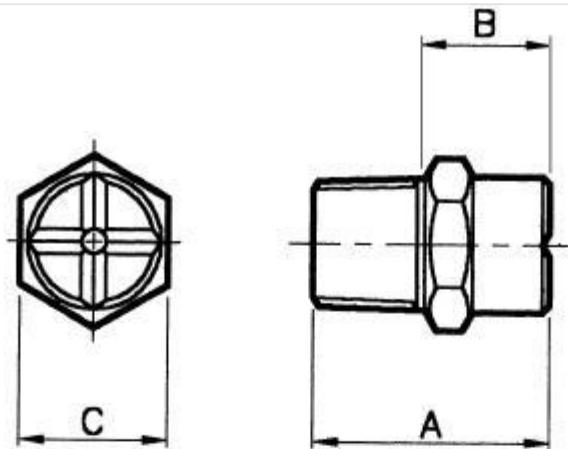
3/4" BQM (Male) 89 Brass.

1/2" BQF (Female) 49 Stainless Steel.

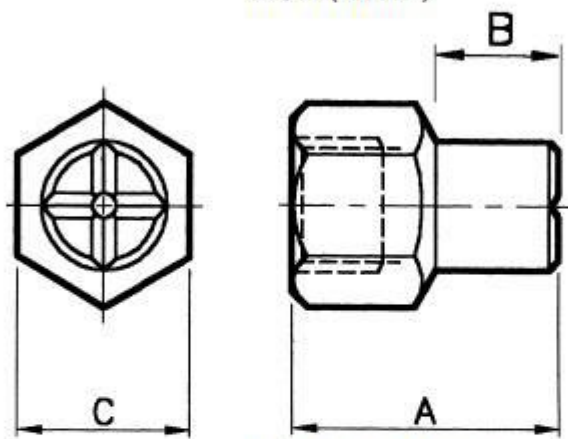
Maximum Recommended Pressure: 35 Bar.G.



CAPACITY CHARTS



BQM (MALE)



BQF (FEMALE)

DIMENSIONS AND WEIGHTS

Thread Size	Nozzle Type	Dimensions (mm)			Weight (g)
		A	B	C Hex	
1/8"	BQM	17,5	9,6	11,3	10
1/8"	BQF	25,4	13,5	15,3	21
1/4"	BQM	24,5	13,0	15,3	24
1/4"	BQF	27,8	12,7	18,0	35
3/8"	BQM	25,5	14,0	18,0	35
3/8"	BQF	38,9	21,1	20,8	58
1/2"	BQM	32,0	16,1	25,6	75
1/2"	BQF	50,0	28,3	25,6	118
3/4"	BQM	36,0	19,0	28,0	115
3/4"	BQF	62,7	31,5	31,8	215
1"	BQM	50,0	28,5	38,0	290
1"	BQF	81,0	51,0	38,0	330

CAPACITY CHART

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