



# SWM Handel en Engineering B.V. - Rotterdam

## Full Cone Nozzle DBIM/DBIF

### Specification

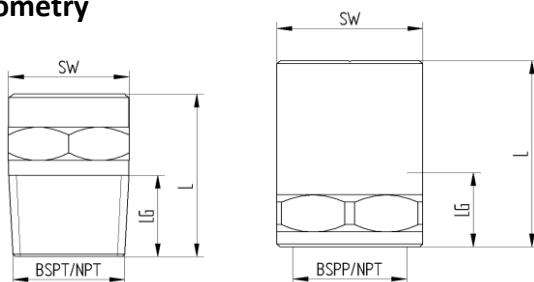
- Full cone spray pattern with even droplet distribution
- Cross-milled core
- BSPT male thread or BSPP female thread ( NPT upon request )
- Materials: Brass, stainless steel 1.4305 (303) , stainless steel 1.4404 (316)
- Other materials and spray angles upon request



### Technical Data

Size	Thread						Flow Rate [l/min] at Pressure [bar]								Spray Angle [°] at Pressure [bar]		
	1/8	1/4	3/8	1/2	3/4	1	0,35	0,7	1	1,5	2	3	6	8	0,7	2	6
1	X						0,18	0,24	0,27	0,32	0,36	0,42	0,56	0,63	40	50	55
3	X						0,54	0,71	0,82	0,96	1,08	1,27	1,68	1,88	50	50	55
4	X						0,72	0,95	1,09	1,28	1,44	1,69	2,23	2,51	50	60	60
6	X	X					0,88	1,25	1,50	1,88	2,18	2,65	3,41	3,76	40	47	40
8	X	X					1,30	1,86	2,28	2,84	3,23	4,00	5,38	5,97	44	56	53
11	X	X					1,63	2,32	2,87	3,62	4,05	4,87	6,30	7,06	52	64	58
12	X	X					2,09	2,79	3,41	4,09	4,55	5,30	7,02	8,01	62	70	58
16		X					2,50	3,58	4,41	5,30	6,14	7,27	9,51	10,61	57	60	55
20		X					3,11	4,46	5,46	6,50	7,54	9,06	11,92	13,43	62	73	58
22		X					3,58	5,11	6,24	7,51	8,32	9,78	13,23	14,95	70	80	62
12			X				2,00	2,79	3,32	4,19	4,73	5,83	7,79	8,65	36	45	39
16			X				2,50	3,58	4,41	5,30	6,14	7,27	9,51	10,61	57	60	55
20			X				3,11	4,46	5,46	6,50	7,54	9,06	11,92	13,43	61	73	58
22			X				3,58	5,11	6,24	7,51	8,32	9,78	13,23	14,95	70	80	62
27			X				4,23	6,04	7,42	9,01	10,10	12,32	16,06	18,08	44	53	51
32			X				5,81	7,25	8,88	10,81	12,32	14,44	19,29	22,12	60	70	61
27				X			4,23	6,04	7,42	9,01	10,10	12,32	16,06	18,08	44	63	51
32				X			5,81	7,25	8,88	10,81	12,32	14,44	19,29	22,12	60	70	61
42				X			6,74	9,67	11,82	14,44	15,96	19,29	24,95	28,48	70	76	64
49				X			8,17	11,62	14,24	16,36	18,69	23,13	29,29	33,94	79	86	72
63				X			10,20	14,44	17,07	20,50	23,84	28,89	38,48	43,94	70	80	70
47					X		7,48	10,61	13,03	14,95	17,78	21,11	28,48	31,71	43	57	42
63					X		10,20	14,44	17,07	20,50	23,84	28,89	38,48	43,94	60	69	53
77					X		12,32	17,68	20,50	23,94	29,09	34,95	45,65	52,02	70	73	60
89					X		13,94	20,00	23,74	29,39	33,63	40,00	52,92	59,29	82	85	67
102					X		14,85	20,91	27,37	33,73	38,68	46,26	60,10	67,87	85	97	74
73						X	11,92	16,26	20,00	22,62	27,78	34,24	45,65	52,02	35	41	44
105						X	16,26	23,23	27,78	33,73	39,79	48,18	62,42	71,51	51	57	49
123						X	19,49	28,38	34,64	42,32	46,56	57,77	75,95	85,55	66	73	57
140						X	22,73	32,02	38,18	45,25	53,23	62,12	80,80	90,90	75	81	52
162						X	25,55	36,26	44,64	53,03	61,41	72,22	95,14	108,07	74	86	63
193						X	28,79	41,81	50,10	60,70	73,23	87,57	119,18	135,34	82	100	80

### Geometry



Thread	Male Thread			Female Thread		
	SW	L	LG	SW	L	LG
	[mm]			[mm]		
1/8"	11	17,5	7	13	25	7
1/4"	14	22	10	17	34	10
3/8"	17	25	10	22	38	10
1/2"	22	32	13	25	45	13
3/4"	27	38	15	30	55	15
1"	36	50	17	36	70	17

### Order Example

Full Cone Nozzle Thread DBIM(F) Size - Material

- Male Thread Full Cone Nozzle 1/4 DBIM 22 - 1.4404
- Female Thread Full Cone Nozzle 1/4 DBIF 11 - 1.4305