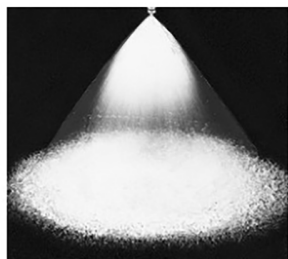




BB Series Standard Type



BB Thread Type

Design Features

- Spray Angle : 42°-120°
- Spray Pattern : Solid cone- shaped spray pattern with round impact area.
- Drops : Small- to medium-size, uniform distribution over a wide range of flow rates and pressure.
- Material : BRASS/SS/PP/PVC/PTFE
- Features : Unique vane design with large flow passages provides superior control and uniform distribution.

Applications

- Water aerating
- Fire prevention
- Dust control
- Metal treating
- Gas cooling & scrubbing

Performance State

Standard Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
1/8	1	0.79	-	0.44	0.54	0.62	0.74	0.85	0.94	1.0	1.1	1.3	-	58	53
	1.5	1.2	0.49	0.69	0.81	0.93	1.1	1.3	1.4	1.5	1.7	1.9	65	65	59
	2	1.2	0.65	0.92	1.1	1.2	1.5	1.7	1.9	2.0	2.2	2.6	43	50	46
	3	1.5	0.98	1.4	1.6	1.9	2.2	2.5	2.8	3.1	3.3	3.9	52	65	59
	3.5	1.6	1.1	1.6	1.9	2.2	2.6	3.0	3.3	3.6	3.9	4.5	43	50	46
	3.9	2.0	1.3	1.8	2.1	2.4	2.9	3.3	3.7	4.0	4.3	5.1	77	84	79
	5	2.0	1.6	2.3	2.7	3.1	3.7	4.2	4.7	5.1	5.5	6.5	52	65	59
	6.1	2.3	2.0	2.8	3.3	3.8	4.5	5.2	5.7	6.2	6.7	7.9	69	74	68
1/4	6.5	2.4	2.1	3.0	3.5	4.0	4.8	5.5	6.1	6.7	7.1	8.4	45	50	46
	10	3.2	3.3	4.7	5.4	6.2	7.4	8.5	9.4	10.2	11.0	13.0	58	67	61
	12.5	3.2	4.1	5.8	6.8	7.7	9.3	10.6	11.8	12.8	13.7	16.2	69	74	68
3/8	9.5	2.6	3.1	4.7	5.1	5.9	7.1	8.1	8.9	9.7	10.4	12.3	45	50	46
	15	3.6	4.9	6.9	8.1	9.3	11.2	12.7	14.1	15.4	16.5	19.4	64	67	61
	20	4.0	6.5	9.2	10.8	12.4	14.9	17.0	18.8	20	22	26	76	80	73
	22	4.5	7.2	10.2	11.9	13.6	16.4	18.7	21	23	24	28	87	90	82
1/2	16	3.5	5.2	7.4	8.7	9.9	11.9	13.6	15.1	16.4	17.6	21	48	50	46
	25	4.6	8.2	11.6	13.5	15.4	18.6	21	24	26	27	32	64	67	61
	32	5.2	10.4	14.7	17.3	19.8	24	27	30	33	35	41	72	75	68
	40	6.2	13.1	18.5	22	25	30	34	38	41	44	52	88	91	83
	50	6.7	16.3	23.1	27	31	37	42	47	51	55	65	91	94	86
3/4	2.5	4.9	9.6	12.7	15.9	18.2	22	25	28.5	30	32	38	48	50	46
	4.0	6.4	15.4	20	26	29	35	40	45	48	52	61	67	70	63
	7.0	9.5	27	35	45	51	61	70	78	84	91	107	89	92	84
1	4.2	6.0	16.2	21	27	31	37	42	48	51	54	64	48	50	46
	7.0	8.3	27	35	45	51	61	70	79	84	91	107	67	68	62
	8.0	9.5	31	40	51	58	70	80	90	97	104	122	72	81	82
	10	11.9	38	51	65	73	88	100	113	121	130	153	78	90	94
	12	11.9	46	60	77	87	105	120	135	145	155	183	89	92	84



• Wide Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)										Spray Angle (°)		
			0.5bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar
1/8	2.8W	1.6	-	1.2	1.5	1.7	2.0	2.3	2.5	2.7	2.9	3.5	116	120	102
	4.3W	2.0	-	1.9	2.3	2.6	3.1	3.5	3.9	4.2	4.5	5.4	116	120	102
	5.6W	2.4	1.8	2.5	3.1	3.4	4.0	4.6	5.1	5.5	5.9	7.1	116	120	102
	8W	2.4	2.6	3.6	4.4	4.8	5.8	6.6	7.2	7.8	8.4	10.1	116	120	103
1/4	10W	2.8	3.3	4.5	5.5	6.0	7.2	8.2	9.1	9.8	10.6	12.7	116	120	103
	12W	3.2	3.9	5.3	6.5	7.3	8.7	9.8	10.9	11.8	12.7	15.2	117	120	103
	14W	3.6	4.6	6.2	7.6	8.5	10.1	11.5	12.7	13.7	14.8	17.7	117	120	103
3/8	17W	4.0	5.6	7.6	9.3	10.3	12.3	13.9	15.4	16.7	18.0	21.6	117	120	103
	20W	4.4	6.6	8.9	10.9	12.1	14.5	16.5	18.1	19.6	21.2	25.3	117	120	104
	24W	4.8	7.9	10.7	13.1	14.5	17.3	19.7	22	24	25.9	31.0	117	120	104
	27W	5.2	8.9	12.0	14.7	16.3	19.5	22	24	26	28.1	33.6	117	120	106
1/2	30W	5.6	9.9	13.4	16.4	18.1	22	25	27	29	31.3	37.4	117	120	108
	35W	6.0	11.5	15.6	19.1	21	25	29	32	34	36.7	43.9	117	120	108
	40W	6.4	13.1	17.8	21.8	24	29	33	36	39	42.1	50.3	117	120	108
	45W	6.4	14.8	20	24.5	27	33	37	41	44	47.5	56.8	117	120	110
	50W	6.7	16.4	22	26.9	30	36	41	45	49	52.9	63.3	117	120	112
3/4	6W	9.9	23	31	37	42	51	58	63	69	74	89	115	120	112
1	11W	13.1	42	57	69	78	93	106	115	126	136	162	117	120	117
1-1/4	16W	15.5	62	83	100	113	135	154	168	184	199	238	118	121	119
1-1/2	24W	18.3	92	125	150	170	203	230	251	275	297	355	119	124	119
2	47W	25	181	245	293	333	398	451	492	539	582	695	120	124	119

• Special size please consult our sale dept!

Order Info

BB - 1/4 - SS - 10
Nozzle Type Inlet Conn Material Code Orifice

For NPT threaded connections, add the letter "N" before the nozzle connection size.