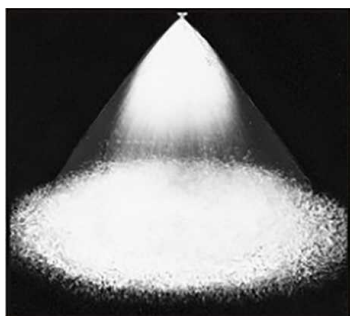




BG/BH Series



Design Features

- Spray Angle : 43°-125°
- 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 : Interchangeable spray caps within each inlet connection size group for maximum versatility
Removable caps and vanes for easy inspection and cleaning on most models.
Unique vane design with large flow passages provides superior control and uniform distribution.

BG-A



Corner Type (Internal Thread)

BBG-A



Corner Type (External Thread)

BG



Removable Cap Type (Inside)

BBG



Removable Cap type (Outer)

BJ



Integral Casting Type (Inside)

BH-D



Wall-mounted,
one-piece (Inside)

BG-D



Wall-mounted,
Removable Cap Type (Inside)

BBG-D



Wall-mounted,
Removable Cap type (Outer)

Applications

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

Order Info

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

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



Performance State

• Standard Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Nozzle Type							Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)												Spray Angle (°)		
	Standard Model				Wall Mount Type																			
	BG	BBG	BGA	BBGA	BGD	BGH	BBGD			0.4bar	0.5bar	0.7bar	1.5bar	2bar	3bar	4bar	6bar	7bar	10bar	0.5bar	1.5bar	6bar		
1/8	●	●			●		●	1	0.79	0.29	0.33	0.38	0.54	0.62	0.74	0.85	1.0	1.1	1.3	-	58	53		
	●	●			●		●	1.5	1.2	0.44	0.49	0.57	0.81	0.93	1.1	1.3	1.5	1.6	1.9	52	65	59		
	●	●	●	●	●		●	2	1.2	0.59	0.65	0.76	1.1	1.2	1.5	1.7	2.0	2.2	2.6	43	50	46		
	●	●	●	●	●		●	3	1.5	0.88	0.98	1.1	1.6	1.9	2.2	2.5	3.1	3.3	3.9	52	65	59		
	●	●	●	●	●		●	3.5	1.6	1.0	1.1	1.3	1.9	2.2	2.6	3.0	3.6	3.8	4.5	43	50	46		
			●	●				3.9	2.0	1.1	1.3	1.5	2.1	2.4	2.9	3.3	4.0	4.3	5.1	77	84	79		
	●	●	●	●	●		●	5	2.0	1.5	1.6	1.9	2.7	3.1	3.7	4.2	5.1	5.5	6.5	52	65	59		
			●	●				6.1	2.3	1.8	2.0	2.3	3.3	3.8	4.5	5.2	6.2	6.7	7.9	69	76	68		
1/4	●	●	●	●	●		●	6.5	2.4	1.9	2.1	2.5	3.5	4.0	4.8	5.5	6.7	7.1	8.4	45	50	46		
	●	●	●	●	●		●	10	3.2	2.9	3.3	3.8	5.4	6.2	7.4	8.5	10.2	11.0	13.0	58	67	61		
			●	●				12.5	3.2	3.7	4.1	4.8	6.8	7.7	9.3	10.6	12.8	13.7	16.2	69	76	68		
3/8	●	●	●	●	●		●	9.5	2.6	2.8	3.1	3.6	5.1	5.9	7.1	8.1	9.7	10.4	12.3	45	50	46		
	●	●	●	●	●		●	15	3.6	4.4	4.9	5.7	8.1	9.3	11.2	12.7	15.4	16.5	19.4	64	67	61		
			●	●				20	4.0	5.9	6.5	7.6	10.8	15.4	14.9	17.0	20	22	26	76	80	73		
	●	●	●	●	●		●	22	4.5	6.5	7.2	8.4	11.9	13.6	16.4	18.7	23	24	28	87	90	82		
1/2	●	●	●	●				16	3.5	4.7	5.2	6.1	8.7	9.9	11.9	13.6	16.4	17.6	21	48	50	46		
	●	●	●	●				25	4.6	9.4	8.2	9.5	13.5	15.4	18.6	21	26	27	32	64	67	61		
	●	●	●	●				32	5.2	9.4	10.4	12.2	17.3	19.8	24	27	33	35	41	72	75	68		
	●	●	●	●				40	6.2	11.8	13.1	15.2	22	25	30	34	41	44	52	88	91	83		
			●	●				50	6.7	14.7	16.3	19.1	27	31	37	42	51	55	65	91	94	86		
3/4						●		2.5	4.9	8.7	9.4	11.2	15.9	18.2	22	25	30	32	38	48	50	46		
						●		4.0	6.4	13.9	15.4	18.0	26	29	35	40	48	52	61	67	70	63		
						●		7.0	9.5	24	27	31	45	51	61	70	84	91	107	89	92	84		
1					●		4.2	6.0	14.6	16.2	18.69	27	31	37	45	51	54	64	48	50	46			

• Wide Angle

At the stated pressure in bar.

Inlet Conn. (in.)	Nozzle Type				Capacity Size	Orifice (mm)	Flow Rate Capacity (L/min)												Spray Angle (°)		
	Standard Model																				
	BG	BBG	BGA	BBGA			0.4bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	6bar	0.4bar	0.7bar	6bar			
1/8	●	●			1.5W	1.2	-	-	0.57	0.67	0.81	0.93	1.1	1.3	1.5	-	120	86			
	●	●			2.8W	1.6	-	-	1.1	1.3	1.5	1.7	2.1	2.4	2.9	-	120	102			
	●	●	●	●	4.3W	2.0	-	-	1.6	1.9	2.3	2.7	3.2	3.7	4.4	-	120	102			
	●	●			5.6W	2.4	-	1.8	2.1	2.5	3.0	3.5	4.2	4.8	5.7	-	120	102			
	●	●	●	●	8W	2.4	-	2.6	3.0	3.6	4.3	4.9	6.0	6.8	8.2	-	120	103			
1/4	●	●			10W	2.8	2.9	3.3	3.8	4.5	5.4	6.2	7.4	8.5	10.2	112	120	103			
	●	●			12W	3.2	3.5	3.9	4.6	5.4	6.5	7.4	8.9	10.2	12.3	114	120	103			
	●	●	●	●	14W	3.6	4.1	4.6	5.3	6.3	7.6	8.6	10.4	11.9	14.3	114	120	103			
3/8	●	●			17W	4.0	5.0	5.6	6.5	7.6	9.2	10.8	12.7	14.4	17.4	114	120	103			
	●	●	●	●	20W	4.4	5.9	6.5	7.6	9.0	10.8	12.4	14.9	17.0	20	114	120	104			
	●	●			24W	4.8	7.1	7.8	9.1	10.8	13.0	14.8	17.9	20	25	114	120	104			
	●	●			27W	5.2	8.0	8.8	10.3	12.1	14.6	16.7	20	23	28	114	120	106			
1/2	●	●			30W	5.6	8.8	9.8	11.4	13.5	16.2	18.5	22	25	31	114	120	108			
	●	●	●	●	35W	6.0	10.3	11.4	13.3	15.7	18.9	22	26	30	36	114	120	108			
	●	●			40W	6.4	11.8	13.1	15.2	18.0	22	25	30	34	41	114	120	108			
	●	●			45W	6.4	13.3	14.7	17.2	20	24	28	34	38	46	114	120	110			
	●	●	●	●	50W	6.7	14.7	16.3	19.1	22	27	31	37	42	51	114	120	112			
3/4					6W	9.9	21	23	27	31	37	42	51	58	69	115	120	112			
1					11W	13.1	38	42	49	57	69	78	93	106	126	117	120	117			

• Special size please consult our sale dept!