

wide angle series



single type(BB)



fission type(BBG)

BB wide angle series spray nozzles feature a solid cone spray pattern with a round impact area and spray angles between 120° and 120°.

They produce a uniform distribution of medium to large sized drops over a wide range of flow rates and pressures. They are ideal choice for applications requiring complete coverage to a certain area.

With the uniform spray distribution resulting from a unique vane design and exact size, the nozzles insure correct and dependable performance.

Wide angle performance data

* in the specified pressure(bar)

Nozzle inlet connect (in.)	Nozzle type				Capacity Size	Rated Orifice Dia.(mm)	Max. Hole Dia.(mm)	Capacity(l/min)*										Spray Angle(°)*		
	Standard type							0.4	0.5	0.7	1	1.5	2	3	4	6	0.4	0.7	6	
	BG-W	BBG-W	BB-W	B-W																
1/8	●	●			1.5W	1.2	.64			.57	.67	.81	.93	1.1	1.3	1.5		120	86	
	●	●	●		2.8W	1.6	1.0			1.1	1.3	1.5	1.7	2.1	2.4	2.9		120	102	
	●	●	●		4.3W	2.0	1.0			1.6	1.9	2.3	2.7	3.2	3.7	4.4		120	102	
	●	●			5.6W	2.4	1.0		1.8	2.1	2.5	3.0	3.5	4.2	4.8	5.7		120	102	
	●	●	●		8W	2.4	1.3		2.6	3.0	3.6	4.3	4.9	6.0	6.8	8.2		120	103	
1/4	●	●			10W	2.8	1.3	2.9	3.3	3.8	4.5	5.4	6.2	7.4	8.5	10.2	112	120	103	
	●	●			12W	3.2	1.3	3.5	3.9	4.6	5.4	6.5	7.4	8.9	10.2	12.3	114	120	103	
	●	●	●		14W	3.6	1.6	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	1.6	5.0	5.6	6.5	7.6	9.2	10.5	12.7	14.4	17.4	114	120	103	
	●	●	●		20W	4.4	2.4	5.9	6.5	7.6	9.0	10.8	12.4	14.9	17.0	20	114	120	104	
	●	●	●		24W	4.8	2.4	7.1	7.8	9.1	10.8	13.0	14.8	17.9	20	25	114	120	104	
	●	●	●		27W	5.2	2.8	8.0	8.8	10.3	12.1	14.6	16.7	20	23	28	114	120	106	
1/2	●	●	●		30W	5.6	2.8	8.8	9.8	11.4	13.5	16.2	18.5	22	25	31	114	120	108	
	●	●	●		35W	6.0	3.2	10.3	11.4	13.3	15.7	18.9	22	26	30	36	114	120	108	
	●	●	●		40W	6.4	3.2	11.8	13.1	15.2	18.0	22	25	30	34	41	114	120	108	
	●	●	●		45W	6.4	3.6	13.3	14.7	17.2	20	24	28	34	38	46	114	120	110	
	●	●	●		50W	6.7	4.0	14.7	16.3	19.1	22	27	31	37	42	51	114	120	112	
3/4			●	●	6W	9.9	4.4	21	23	27	31	37	42	51	58	69	115	120	112	
1			●	●	11W	13.1	5.6	38	42	49	57	69	78	93	106	126	117	120	117	
1-1/4			●	●	16W	15.5	6.4	56	62	71	83	100	113	135	154	184	118	121	119	
1-1/2			●	●	24W	18.3	10.3	84	92	107	125	150	170	203	230	275	119	124	119	
2				●	47W	25.0	11.1	164	181	210	245	293	333	398	451	539	120	124	119	
2-1/2				●	70W	31.8	14.3	244	269	312	365	436	495	592	672	803	120	125	119	
3				●	95W	34.9	17.5	331	365	424	496	592	672	803	912	1090	120	125	119	
4				●	188W	50.8	20.6	655	723	838	981	1172	1330	1590	1805	2157	120	125	119	

The Max. Hole Diameter indicated above is the maximum diameter of the particles that can pass through the channel and do not block.

common application

- Washing and drenching, exhaust gas scrubbing and cooling to remove dust and other burnt offspring.
- Quenching and cooling coke, primary metal and other material, burst apart and defoaming of foaming material, spray in chemical reaction.
- Dust control when transacting chunk ore, coal, limestone, sand and carpolite.
- Dip the tinder and container to prevent a fire and put out a fire.

ordering info

BB 1/8—SS 2.8W

Single nozzle type Inlet size Material code Capacity size

ordering info

BB 1/4 — SS 10
Single nozzle type Inlet size Material code Capacity size

BBG 1/4 — SS 10
Fission nozzle type Inlet size Material code Capacity size

Remark: BRASS

SS-stainless steel

316SS-316 stainless steel