

BD Straight Line Hollow Cone Spray Nozzles



BD

Performance Data

BD Series — Standard angle hollow cone nozzle

Thread size	Model No. BD	Flow code	Inlet orifice Dia	outlet orifice Dia	Flow (L/min)												Spray angle	
					0.2bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar
3/8	●	2	2.4	2.0			0.76	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4		60°	70°
	●	3	2.4	2.4		0.96	1.1	1.4	1.7	1.9	2.4	2.7	3.1	3.3	2.6	52°	64°	77°
	●	5	2.8	3.2		1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	56°	67°	76°
	●	8	4.0	4.0	1.0	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	56°	65°	70°
	●	10	4.0	4.4	1.6	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	55°	65°	72°
1/2	●	20-10	4.0	4.4	2.0	4.5	5.3	6.4	7.8	9.0	11.1	12.8	14.3	15.6	16.9	61°	65°	67°
	●	5	3.2	3.6	1.0	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	63°	73°	79°
	●	8	4.0	4.0	1.6	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	61°	69°	73°
	●	10	4.4	4.4	2.0	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	63°	70°	74°
	●	15	4.4	5.2	3.1	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	60°	67°	70°
3/4	●	20	4.8	6.0	4.1	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20	22	24	63°	65°	69°
	●	25	5.2	7.1	5.1	8.1	9.5	11.4	14.0	16.1	19.7	23	25	28	30	59°	63°	68°
	●	5	3.6	3.2	1.0	1.6	1.9	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	64°	73°	79°
	●	8	4.4	4.0	1.6	2.6	3.1	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	62°	70°	74°
	●	10	5.2	4.4	2.0	3.2	3.8	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	64°	72°	75°
1-1/2	●	15	6.4	5.6	3.1	4.8	5.7	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	64°	72°	74°
	●	20	7.1	6.4	4.1	6.4	7.6	9.1	11.2	12.9	15.8	18.2	20	22	24	63°	70°	74°
	●	25	7.1	7.5	5.1	8.1	9.5	11.4	14.0	16.1	19.7	23	25	28	30	63°	70°	74°
	●	50-50.3	7.1	9.5	10.2	16.1	19.1	23	28	32	39	46	51	56	60	70°	72°	73°
	●	40	9.5	7.9	8.2	12.9	15.3	18.2	22	26	32	36	41	45	48	70°	73°	74°
1-1/2	●	50	9.5	9.5	10.2	16.1	19.1	23	28	32	39	46	51	56	60	72°	75°	77°
	●	60	9.5	11.1	12.2	19.3	23	27	33	39	47	55	61	67	72	74°	76°	79°
	●	70	9.5	12.7	14.3	23	27	32	39	45	55	64	71	78	84	76°	79°	83°
	●	80	9.5	14.3	16.3	26	31	36	45	52	63	73	82	89	96	78°	82°	84°
	●	90	9.5	14.7	18.3	29	34	41	50	58	71	82	92	100	109	81°	84°	84°
	●	100	9.5	15.9	20	32	38	46	56	64	79	91	102	112	121	83°	86°	86°
	●	110	9.5	17.1	22	35	42	50	61	71	87	100	112	123	133	85°	88°	88°
	●	120	9.5	18.3	24	39	46	55	67	77	95	109	122	134	145	87°	90°	90°

BD-Series — wide angle hollow cone nozzle

Thread Size	Flow code	Inlet orifice Dia	outlet orifice Dia	Flow rate L/min												Spray angle		
				0.2bar	0.5bar	0.7bar	1bar	1.5bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5bar	1.5bar	6bar	
3/8	3-2W	2.4	2.0	-	0.73	0.84	1.0	1.2	1.4	1.7	2.0	2.2	2.5	2.7	112°	109°	90°	
	3-3W	2.4	2.8	-	0.96	1.1	1.4	1.7	1.9	2.4	2.7	3.1	3.4	3.6	115°	112°	97°	
	3-5W	2.4	3.2	-	1.1	1.3	1.6	1.9	2.2	2.7	3.1	3.5	3.8	4.2	117°	113°	103°	
	5-5W	2.8	3.2	-	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.0	5.6	6.1	115°	112°	102°	
	5-10W	2.8	4.4	-	2.1	2.5	3.0	3.6	4.1	5.1	6.0	6.5	7.2	8.0	119°	119°	109°	
	8-8W	3.9	3.9	-	2.6	3.1	3.6	4.4	5.2	6.3	7.4	8.3	9.0	9.5	116°	110°	98°	
	8-10W	3.9	4.4	-	2.9	3.4	4.1	5.1	6.0	7.1	8.2	9.1	9.9	10.7	118°	113°	101°	
	10-10W	3.9	4.4	-	3.2	3.8	4.5	5.5	6.3	7.9	9.3	10.2	11.0	11.8	118°	111°	100°	
1/2	5-3W	3.2	2.8	0.67	1.0	1.2	1.5	1.8	2.0	2.5	2.9	3.2	3.5	3.8	114°	110°	96°	
	5-5W	3.2	3.2	1.0	1.6	1.9	2.3	2.8	3.2	3.9	4.5	5.0	5.6	6.1	115°	112°	102°	
	8-8W	3.9	3.9	1.6	2.6	3.1	3.6	4.4	5.2	6.3	7.4	8.3	9.0	9.5	119°	113°	103°	
	10-15W	4.4	5.6	2.5	3.9	4.6	5.6	6.7	7.8	9.5	11.1	12.3	13.4	14.5	120°	112°	102°	
	15-15W	4.4	5.6	3.0	5.0	5.7	6.7	8.3	9.7	11.9	14.1	15.4	16.7	18.3	117°	111°	104°	

BD Straight Line Hollow Cone Spray Nozzles have the following features:

- Simple structure with caps can be removable and changable.
- BD Straight Line Hollow Cone Spray Nozzles produce fine and uniform spraying with hollow circle pattern
- Spray angles inclues standard angle and wide angle
- Connections: 3/8" , 1/2"

• General Application :

Cooling

Dust suppression

Chemical treatment

Washing or cleaning