

AA Series Corner Nozzle

Hollow Cone Spray Nozzle/Corner Nozzle



female



male

AA/A Metal Nozzles feature a hollow cone spray pattern with a ring-shaped impact area and spray angles of 51° to 144°.

They produce small-to medium sized drops at a wide range of flow rates and pressures.

AA/A Metal Nozzles are ideal choice for applications requiring good atomization of liquids at lower pressures or when quick heat transfer or effective airborne droplet impingement is required.

AA/A Metal Nozzles have special whirlchamber. They feature large and unobstructed flow passages, which minimize or eliminate clogging.

AA Metal Nozzles have outer screw thread connection, while A Metal Nozzles have inner screw thread connection.



Desulfurization Tower Spraying Of Power Plant



Auto Spraying Before Painting

Performance data

Performance data

Nozzle Inlet Conn.	Capacity Size	Nozzle Type		Material code			Body Inlet Dia. (mm)	Rated Orifice Dia. (mm)	Capacity liters per minute										Spray angle		
		AA	A	BRASS	SS	316SS			0.2 bar	0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	0.5 bar	1.5 bar	6 bar
1/8	0.5	●	●	●	●	●	0.79	1.2		0.16	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.60		58°	69°
	1	●	●	●	●	●	1.6	1.6		0.32	0.46	0.56	0.61	0.79	0.91	1.1	1.1	1.2		64°	76°
	2	●	●	●	●	●	2.0	2.0		0.64	1.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4	52°	61°	69°
	3	●	●	●	●	●	2.4	2.4		0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	52°	64°	77°
	5	●	●	●	●	●	3.2	3.2	1.0	1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.0	56°	67°	76°
	8	●	●	●	●	●	4.0	4.0	1.6	2.6	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	56°	65°	70°
1/4	10	●	●	●	●	●	4.4	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	55°	65°	72°
	1	●	●	●	●	●	1.6	1.6		0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.1	1.2		53°	67°
	2	●	●	●	●	●	2.0	2.0		0.64	0.91	1.1	1.3	1.6	1.8	2.0	2.2	2.4		62°	71°
	3	●	●	●	●	●	2.4	2.4		0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.6	51°	65°	78°
	5	●	●	●	●	●	3.6	3.6	1.0	1.6	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	3.6	4.5	5.2	6.3	7.3	8.2	8.9	9.6	61°	69°	73°
3/8	10	●	●	●	●	●	4.8	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	63°	70°	74°
	15	●	●	●	●	●	5.9	5.2	3.1	4.8	6.8	8.4	9.7	11.8	13.7	15.1	16.7	18.1	63°	71°	72°
	5	●	●	●	●	●	3.6	3.2	1.0	1.6	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	3.6	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	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.1	64°	72°	75°
	15	●	●	●	●	●	5.9	5.6	3.1	4.6	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.1	64°	72°	74°
1/2	20	●	●	●	●	●	7.1	6.4	4.1	6.4	9.1	11.2	12.9	15.8	18.2	20	22	24	63°	70°	74°
	25	●	●	●	●	●	7.5	7.5	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30	63°	70°	74°
	30	●	●	●	●	●	8.3	7.9	6.1	9.7	13.7	16.7	19.3	24	27	31	33	36	63°	70°	74°
	25	●	●	●	●	●	9.5	6.4	5.1	8.1	11.4	14.0	16.1	19.7	23	25	28	30	63°	66°	71°
	30	●	●	●	●	●	9.5	7.5	6.1	9.7	13.7	16.7	19.3	24	27	31	33	36	67°	71°	75°
	40	●	●	●	●	●	9.5	9.1	8.2	12.9	18.2	22	26	32	36	41	45	48	72°	76°	78°
1/2	50	●	●	●	●	●	9.5	11.1	10.2	16.1	23	28	32	39	46	51	56	60	74°	79°	82°
	60	●	●	●	●	●	9.5	13.1	12.2	19.3	27	33	39	47	55	61	67	72	77°	82°	86°

Wide Angle Nozzle Type

Nozzle Inlet Conn.	Capacity Size	Nozzle Type		Material code			Body Inlet Dia. (mm)	Rated Orifice Dia. (mm)	Capacity liters per minute										Spray angle				
		AA	A	BRASS	SS	316SS			0.2 bar	0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	0.5 bar	1.5 bar	6 bar		
1/8	0.5-0.5W	●	●	●	●	●	0.79	1.2				0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.6			117°	98°
	1-1W	●	●	●	●	●	1.6	1.6				0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2			125°	110°
	2-3W	●	●	●	●	●	2.0	2.8		0.81	1.1	1.4	1.6	2.0	2.3	2.5	2.8	2.9	114°	114°	97°		
	3-3W	●	●	●	●	●	2.4	2.8		0.97	1.4	1.7	1.9	2.4	2.7	3.1	3.3	3.7	114°	114°	97°		
	3-5W	●	●	●	●	●	2.4	3.2		1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.0	116°	110°	95°		
	2-10W	●	●	●	●	●	2.0	4.4		1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	5.0	130°	135°	120°		
	5-5W	●	●	●	●	●	3.2	3.2		1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.5	6.1	116°	110°	92°		
	5-10W	●	●	●	●	●	3.2	4.4	1.3	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	126°	121°	95°		
1/4	8-10W	●	●	●	●	●	4.0	4.4	1.8	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	124°	112°	90°		
	1-1W	●	●	●	●	●	1.6	1.6				0.46	0.56	0.64	0.79	0.91	1.0	1.1	1.2			117°	111°
	1-5W	●	●	●	●	●	1.6	3.2				0.77	0.95	1.1	1.3	1.5	1.7	1.9	2.0			123°	124°
	1-10W	●	●	●	●	●	1.6	4.4				0.96	1.2	1.4	1.7	1.9	2.1	2.3	2.5			144°	139°
	1-15W	●	●	●	●	●	1.6	5.6				1.1	1.3	1.5	1.9	2.2	2.4	2.7	2.9			128°	132°
	2-5W	●	●	●	●	●	2.0	3.2		1.1	1.5	1.9	2.2	2.7	3.1	3.5	3.8	4.0	118°	123°	113°		
	2-10W	●	●	●	●	●	2.0	4.4		1.3	1.9	2.3	2.6	3.2	3.7	4.2	4.6	5.0	138°	136°	126°		
	5-5W	●	●	●	●	●	3.6	3.2		1.6	2.3	2.8	3.2	3.9	4.6	5.1	5.6	6.1	114°	113°	104°		
3/8	5-10W	●	●	●	●	●	3.6	4.4	1.3	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	130°	130°	119°		
	5-15W	●	●	●	●	●	3.6	5.6	1.6	2.5	3.5	4.3	5.0	6.1	7.0	7.8	8.6	9.3	130°	132°	120°		
	8-10W	●	●	●	●	●	4.0	4.4	1.8	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	129°	122°	103°		
	10-10W	●	●	●	●	●	4.8	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	120°	108°	95°		
	8-15W	●	●	●	●	●	4.0	5.6	2.2	3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.2	129°	122°	107°		
	10-15W	●	●	●	●	●	4.8	5.6	2.4	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.6	120°	108°	97°		
	15-15W	●	●	●	●	●	4.0	5.6	3.0	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.0	101°	95°	90°		
	5-10W	●	●	●	●	●	4.8	4.4	1.3	2.1	3.0	3.6	4.2	5.1	5.9	6.6	7.3	7.9	130°	123°	102°		
1/2	5-15W	●	●	●	●	●	6.0	5.6	1.6	2.5	3.5	4.3	5.0	6.1	7.0	7.8	8.6	9.3	138°	131°	112°		
	8-10W	●	●	●	●	●	3.6	4.4	1.8	2.9	4.1	5.0	5.8	7.1	8.2	9.2	10.0	10.8	122°	110°	96°		
	10-10W	●	●	●	●	●	3.6	4.4	2.0	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	116°	108°	93°		
	8-15W	●	●	●	●	●	4.4	5.6	2.2	3.5	5.0	6.1	7.1	8.7	10.0	11.2	12.3	13.2	133°	120°	105°		
	10-15W	●	●	●	●	●	5.2	5.6	2.4	3.9	5.5	6.7	7.7	9.5	10.9	12.2	13.4	14.6	126°	115°	100°		
	8-25W	●	●	●	●	●	4.4	7.5	2.6	4.2	5.9	7.3	8.4	10.3	11.9	13.3	14.5	15.6	122°	118°	109°		
	10-20W	●	●	●	●	●	5.2	6.0	2.9	4.5	6.4	7.8	9.0	11.1	12.8	14.3	15.6	16.9	118°	112°	102°		
	15-15W	●	●	●	●	●	6.0	5.6	3.0	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18.0	116°	106°	95°		
1/2	15-20W	●	●	●	●	●	6.0	6.0	3.4	5.5	7.7	9.5	11.0	13.0	14.5	15.7	16.3	20.4	113°	108°	98°		
	20-20W	●	●	●	●	●	7.1	6.0	4.1	6.4	9.1	11.2	12.9	15.8	18.2	20	22	24.1	106°	102°	95°		
	15-30W	●	●	●	●	●	6.0	7.9	4.5	7.1	10.0	12.3	14.2	17.4	20	22	25	26.5	116°	110°	102°		
	25-25W	●	●	●	●	●	7.5	7.5	5.1	8.1	11.4	14.0	16.0	19.7	23	25	28	30.2	105°	100°	93°		
1/2	25-30W	●	●	●	●	●	7.5	7.9	5.7	9.0	12.8	15.6	18.0	22	26	29	31	33.9	105°	101°	94°		
	50-50W	●	●	●	●	●	9.5	11.1	10.2	16.1	23	28	32	39	46	51	56	60.9	110°	102°	93°		