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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 AA	Nozzle Type A	Material code BRASS	Material code SS	Material code 316SS	Body Inlet Dia. (mm)	Rated Orifice Dia. (mm)	Capacity liters per minute 0.2 bar	0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	Spray angle 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°
	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°
1/4	1	●	●	●	●	●	1.6	1.6			0.46	0.56	0.64	0.79	0.91	1.0	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°
	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°
3/8	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°
	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°
1/2	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°
	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 AA	Nozzle Type A	Material code BRASS	Material code SS	Material code 316SS	Body Inlet Dia. (mm)	Rated Orifice Dia. (mm)	Capacity liters per minute 0.2 bar	0.5 bar	1 bar	1.5 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	Spray angle 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°
	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°
1/4	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°
	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°
3/8	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°
	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°
	15–20W	●	●	●	●	●	6.0	6.0	3.4	5.5	7.7	9.5	11.0	13.4	15.5	17.3	16.0	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°
	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°
½	50–50W	●	●	●	●	●	9.5	11.1	10.2	16.1	23	28	32	39	46	51	56	60.9	110°	102°	93°

Common applications

- Gas Washing and Gas Cooling
- Water Cooling
- Dust Control
- Metal Treating
- Chemical Reaction Treating
- Other Heat Transfer Applications

Ordering info

1/4AA SS 10

Inlet Conn. | Nozzle Type | Material Code | Capacity Size

Remark:Brass
SS-Stainless Steel
316SS-316 Stainless Steel

A Series Common Nozzle