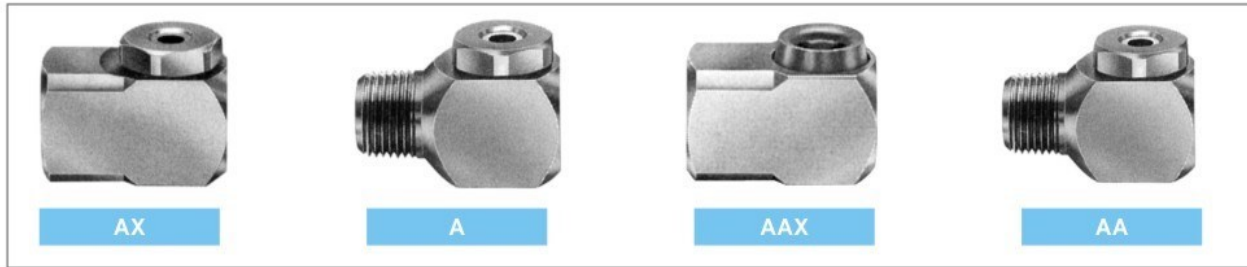


# AA series corner nozzles



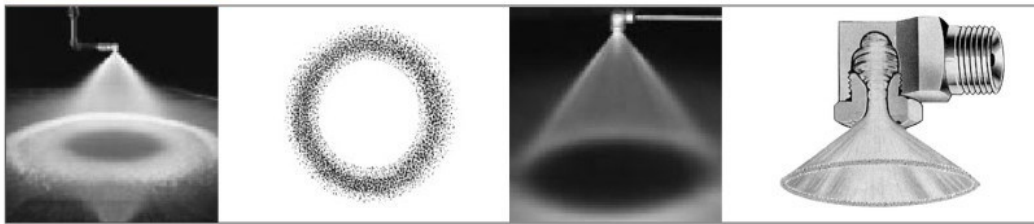
AA series metal nozzles feature a hollow cone spray pattern with a ring-shaped Impact area and spray angles of 51° to 144°. They produce a uniform distribution of small to medium-sized droplets over a wide range of flow rates and pressures.

AA 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 whirl-chamber, they feature large and unobstructed flow passages, which minimize or eliminate clogging.

AA/A metal nozzles have outer screw thread connection, while AX/AAX metal nozzles have inner screw thread connection.

## SPRAY PATTERN



## PERFORMANCE DATA

### Wide angle

Nozzle inlet conn. NPT or BSPT	Capacity size	Nozzle type				inlet Diam. Nom. (mm)	Rated office Dia. (mm)	Capacity (liters per minute)													Spray angle										
		AX	AAX	A	AA			0.2Bar	0.5bar	1bar	1.5Bar	2bar	3bar	4bar	5bar	6bar	7bar	0.5Bar	1.5Bar	6bar											
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	1.1	1.2											125°	110°
	2-3W	●	●	●	●	2.0	2.8			0.81	1.1	1.4	1.6	2	2.3	2.5	2.8	2.9	3.1									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	4									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	4.4									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	5.5									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	6.6									116°	110°	92°	
	5-10W	●	●	●	●	3.2	4.4	1.3	2.1	3	3.6	4.2	5.1	5.9	6.6	7.3	7.9	8.6	9.3									126°	121°	95°	
8-10W	●	●	●	●	4.0	4.4	1.8	2.9	4.1	5	5.8	7.1	8.2	9.2	10	10.8	11.6	12.4									124°	112°	90°		
1/4	1-1W	●	●	●	●	1.6	1.6				0.46	0.56	0.64	0.79	0.91	1	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									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									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									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	3.6	4.2	5.1	5.9	6.6	7.3	7.9	8.6									130°	130°	119°		
	5-15W	●	●	●	●	3.6	5.6	1.6	2.5	3.5	4.3	5	6.1	7	7.8	8.6	9.3	10									130°	132°	120°		
	8-10W	●	●	●	●	4.0	4.4	1.8	2.9	4.1	5	5.8	7.1	8.2	9.2	10	10.8	11.6									129°	122°	103°		
	10-10W	●	●	●	●	4.8	4.4	2	3.2	4.6	5.6	6.4	7.9	9.1	10.2	11.2	12.2	13.2									120°	108°	95°		
	8-15W	●	●	●	●	4.0	5.6	2.2	3.5	5	6.1	7.1	8.7	10	11.2	12.3	13.2	14.2									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	16									120°	108°	97°		
	15-15W	●	●	●	●	4.0	5.6	3	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18	19.9									101°	95°	90°		
	3/8	5-10W	●	●	●	●	4.8	4.4	1.3	2.1	3	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	6.1	7	7.8	8.6	9.3									138°	131°	112°			
8-10W		●	●	●	●	3.6	4.4	1.8	2.9	4.1	5	5.8	7.1	8.2	9.2	10	10.8									122°	110°	96°			
10-10W		●	●	●	●	3.6	4.4	2	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	6.1	7.1	8.7	10	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	11.1	12.8	14.3	15.6	16.9									116°	112°	102°			
15-15W		●	●	●	●	6.0	5.6	3	4.8	6.8	8.4	9.7	11.8	13.7	15.3	16.7	18									116°	106°	95°			
15-20W		●	●	●	●	6.0	6.0	3.4	5.5	7.7	9.5	11	13.4	15.5	17.3	19	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	12.3	14.2	17.4	20	22	25	26.5									110°	110°	102°			
25-25W	●	●	●	●	7.5	7.5	5.1	8.1	11.4	14	16	19.7	23	25	28	30.2									105°	100°	93°				
25-30W	●	●	●	●	7.5	7.9	5.7	9	12.8	15.6	18	22	26	29	31	33.9									105°	101°	94°				
1/2	50-50W	●	●	●	●	9.5	11.1	10.2	16.1	23	28	32	39	46	51	56	60.9									110°	102°	93°			

## Standard angle

Nozzle inlet Conn. NPT or BSPT	Capacity size	Nozzle type				Nozzle inlet Diam. Nom. (mm)	Rated orifice Dia. (mm)	Wide angle										Spray angle		
		Female conn.		Male conn.				Capacity (liters per minute)										0.5Bar	1.5Bar	6bar
		AX	AAX	A	AA			0.2Bar	0.5bar	1bar	1.5Bar	2bar	3bar	4bar	5bar	6bar	7bar			
1/8	0.5	●	●	●	●	0.79	1.2		0.16	0.23	0.28	0.32	0.39	0.46	0.51	0.56	0.6		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	1.2		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	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	16.1	19.7	23	25	28	30	63°	66°	71°
1/2	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°

Material :  
 Brass  
 SS-Stainless steel  
 304SS -304Stainless steel  
 316SS -316Stainless steel

## COMMON APPLICATIONS

- Washing gas and air to remove
- Fly ash and other products of
- Combustion
- Water cooling
- Gas cooling
- Metal treating
- Product degreasing
- Suppression and control of
- Fugitive dust
- Brine spraying
- Water aerating

## ORDERING INFORMATION

1/4 — A — SS — 10  
 ↓      ↓      ↓      ↓  
 Inlet   Nozzle type   Material code   Capacity size

