Air Atomizing Spray Nozzles

Internal Mix Wide Angle Round Pattern - 1/8 NPT

Model: AW8010SS
Material: Type 303 Stainless Steel

Model: AW8020SS
Material: Type 303 Stainless Steel

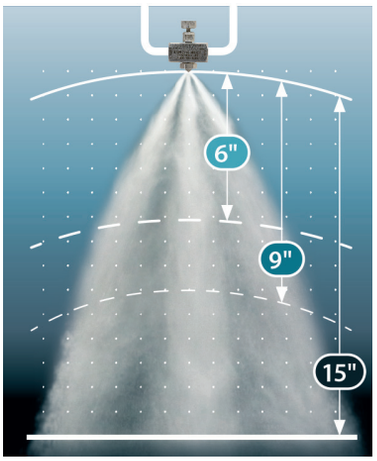
Model: AW8030SS
Material: Type 303 Stainless Steel

Model: AW8040SS
Material: Type 303 Stainless Steel

Model AW8010SS, AW8020SS, AW8030SS and AW8040SS

EXAIR's 1/8 NPT internal mix wide angle round pattern atomizing nozzles are great for covering a broad area. They can be adjusted for a light mist or a heavy soaking spray. They are popular for dust mitigation, humidification, and cooling of products, people or livestock in a broad area. These nozzles are also perfect for applying a coating to parts packed in large containers, for example, misting a container of stamped steel parts with oil to prevent oxidation prior to shipment.

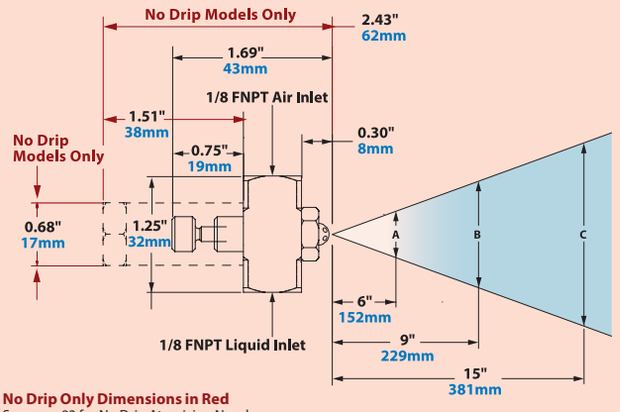
For pressure fed applications not requiring independent air and liquid control.



1/8 NPT Internal Mix Wide Angle Round Pattern atomizing nozzles are perfect for covering broad areas. They are ideal for dust migration, humidification and a variety of cooling applications.

Dimensions and Airflow Pattern

DOWNLOAD drawings at EXAIR.com



No Drip Only Dimensions in Red
See page 93 for No Drip Atomizing Nozzles

Model	10 PSI/0.7 BAR Liquid						20 PSI/1.4 BAR Liquid						30 PSI/2.1 BAR Liquid						40 PSI/2.8 BAR Liquid						60 PSI/4.1 BAR Liquid						Spray Dimensions													
	Air Pressure PSI/BAR		GPH/ LPH		SCFM/ SLPM		Air Pressure PSI/BAR		GPH/ LPH		SCFM/ SLPM		Air Pressure PSI/BAR		GPH/ LPH		SCFM/ SLPM		Air Pressure PSI/BAR		GPH/ LPH		SCFM/ SLPM		Air Pressure PSI/BAR		GPH/ LPH		SCFM/ SLPM		Pressure				Width						Max. Depth feet/m		
																															Air PSI/ BAR		Liquid PSI/BAR		A		B		C					
																																				in	cm	in	cm	in	cm		
AW8010SS	8	0.6	1.10	4.2	0.31	8.8	14	1.0	1.60	6.1	0.33	9.4	22	1.5	2.00	7.6	0.43	12.3	30	2.1	2.00	7.6	0.61	17.2	44	3.0	2.60	9.8	0.69	19.7	8	0.6	10	0.7	5	13	6.5	17	7.5	19	2	0.6	AW8010SS
	10	0.7	0.70	2.6	0.27	7.6	16	1.1	1.40	5.3	0.43	12.1	26	1.8	1.80	6.8	0.52	14.7	34	2.3	1.80	6.8	0.65	18.4	48	3.3	2.20	8.3	0.87	24.6	16	1.1	20	1.4	6	15	8	20	10	25	3	0.9	
	—	—	—	—	—	—	22	1.5	0.60	2.3	0.60	16.9	—	—	—	—	—	—	—	—	—	—	—	—	65	4.5	0.60	2.3	1.56	44.2	26	1.8	30	2.1	7	18	9.0	23	11	28	4	1.2	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65	4.5	60	4.1	7	18	10	25	12	30	4	1.2	
AW8020SS	12	0.8	3.73	14.1	1.65	46.7	22	1.5	5.07	19.2	2.28	64.7	30	2.1	6.40	24.2	2.67	75.4	38	2.6	8.00	30.3	3.05	86.2	54	3.7	9.83	37.2	3.81	108	12	0.8	10	0.7	8	20	9.5	24	11	28	6	1.8	AW8020SS
	14	1.0	3.00	11.4	1.90	53.9	24	1.7	4.43	16.8	2.54	71.9	32	2.2	6.00	22.7	2.92	82.6	42	2.9	6.73	25.5	3.55	100.6	56	3.9	9.33	35.3	4.06	115	24	1.7	20	1.4	8	20	10	25	13	33	8	2.4	
	—	—	—	—	—	—	26	1.8	3.83	14.5	2.79	79.0	36	2.5	4.93	18.7	3.43	97.0	46	3.2	5.77	21.8	4.06	115.0	60	4.1	8.33	31.5	4.57	129	36	2.5	30	2.1	8	20	10	25	13	33	10	3.0	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52	3.6	4.27	16.2	4.82	136.5	75	5.2	5.47	20.7	6.47	183	75	5.2	60	4.1	8	20	10	25	13	33	14	4.3	
AW8030SS	10	0.7	6.37	24.1	1.3	36.8	20	1.4	7.87	29.8	1.87	52.8	30	2.1	10.0	37.9	2.52	71.3	40	2.8	11.3	42.9	3.04	86.0	56	3.9	15.0	56.8	3.21	90.9	12	0.8	10	0.7	7.5	19	10	25	13.5	34	8	2.3	AW8030SS
	12	0.8	5.10	19.3	1.65	46.7	22	1.5	6.73	25.5	2.17	61.4	32	2.2	9.33	35.3	2.73	77.4	42	2.9	10.3	39.1	3.30	93.4	58	4.0	14.5	54.9	3.91	111	22	1.5	20	1.4	7.5	19	10	25	13.5	34	9	2.7	
	14	1.0	3.47	13.1	1.91	54.1	24	1.7	5.93	22.5	2.43	68.8	36	2.5	6.83	25.9	3.39	95.8	46	3.2	8.33	31.5	3.95	111.8	65	4.5	12.0	45.4	4.90	139	36	2.5	30	2.1	7.5	19	10	25	13.5	34	10	3.0	
	—	—	—	—	—	—	26	1.8	4.80	18.2	2.65	75.0	40	2.8	4.07	15.4	4.04	114.3	50	3.4	5.80	22.0	4.47	126.6	75	5.2	6.73	25.5	6.38	181	50	3.4	40	2.8	7.5	19	10	25	13.5	34	11	3.4	
AW8040SS	18	1.2	11.3	42.9	2.89	81.8	30	2.1	14.5	54.9	4.16	117.8	44	3.0	16.3	61.8	5.53	156.5	60	4.1	18.0	68.1	7.04	199.3	80	5.5	22.3	84.5	8.89	252	18	1.2	10	0.7	8	20	10.5	27	12	30	9	2.7	AW8040SS
	26	1.8	9.33	35.3	3.74	105.9	38	2.6	12.7	47.9	5.04	142.8	55	3.8	15.0	56.8	6.72	190.2	80	5.5	14.7	55.5	9.18	259.9	90	6.2	21.0	79.5	9.89	280	38	2.6	20	1.4	8	20	10	25	12	30	11	3.4	
	34	2.3	6.67	25.2	4.58	129.7	60	4.1	6.7	25.2	7.27	205.7	80	5.5	8.67	32.8	9.18	259.9	100	6.9	10.0	37.9	11.1	315.1	—	—	—	—	—	—	55	3.8	30	2.1	7.5	19	10	25	11	28	14	4.3	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80	5.5	40	2.8	7.5	19	10	25	11	28	15	4.6	

For Technical Assistance, Call an EXAIR Application Engineer 1-800-903-9247
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