

Air Atomizing Spray Nozzles



Internal Mix Flat Fan Pattern - 1/8 NPT



Model: AF8010SS
Material: Type 303 Stainless Steel

Model: AF8020SS
Material: Type 303 Stainless Steel

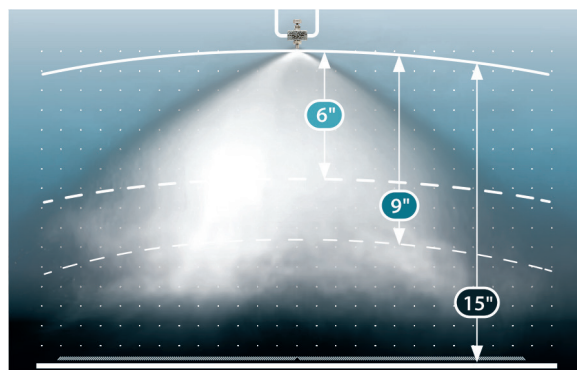
Model: AF8030SS
Material: Type 303 Stainless Steel

Model: AF8040SS
Material: Type 303 Stainless Steel

Model AF8010SS, AF8020SS, AF8030SS and AF8040SS

1/8 NPT internal mix flat fan pattern atomizing nozzles are designed with efficiency in mind. Especially good for vertical or horizontal assembly lines, their broad thin pattern makes efficient use of your expensive liquids. Their output can be adjusted for a very light film or a heavy coat of whatever liquid you're working with. Whether it's applying paint to hanging sheet metal, or using a water mist to cool a laminate web, flat fan atomizing nozzles cover a wide flat area, ideal for products moving on a conveyor.

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



1/8 NPT Internal Mix Flat Fan atomizing nozzles can apply a light or heavy film coat to products moving on a conveyor.

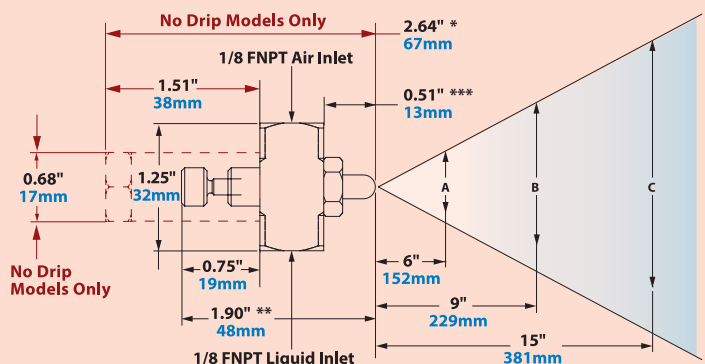
Spray Nozzles

Dimensions and Airflow Pattern



No Drip Dimensions In Red
 See page 93 for No Drip Atomizing Nozzles

* Model AF9010SS & AF9020SS 2.48" / 63mm
 ** Model AF8010SS & AF8020SS 1.74" / 44mm
 ***Model AF8010SS & AF8020SS 0.36" / 9mm



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	Air Pressure PSI/BAR	GPH/ LPH	SCFM/ SLPM	Pressure		Width			Max. Depth feet/m																		
																			Air PSI/ BAR	Liquid PSI/ BAR	A	B	C																			
AF8010SS	10	0.7	1.60	6.1	0.71	20.0	18	1.2	2.13	8.1	1.11	31.5	28	1.9	2.63	10.0	1.53	43.4	38	2.6	2.87	10.9	1.95	55.1	55	3.8	3.47	13.1	2.57	72.7	10	0.7	10	0.7	14	36	18	46	25	64	1	0.3
	14	1.0	1.43	5.4	0.76	21.6	26	1.8	1.87	7.1	1.44	40.7	36	2.5	2.20	8.3	1.94	54.8	46	3.2	2.57	9.7	2.28	64.7	75	5.2	2.93	11.1	3.42	96.9	26	1.8	20	1.4	15	38	22	56	30	76	2	0.6
	22	1.5	0.93	3.5	1.03	29.1	40	2.8	1.40	5.3	1.94	55.0	55	3.8	1.63	6.2	2.67	75.4	70	4.8	2.07	7.8	3.17	89.8	100	6.9	2.37	9.0	4.33	123	36	2.5	30	2.1	14	36	22	56	30	76	2	0.6
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	6.9	60	4.1	22	56	30	76	46	117	3	0.9
AF8020SS	18	1.2	1.53	5.8	1.04	29.5	30	2.1	2.30	8.7	2.30	65.1	42	2.9	2.87	10.9	2.05	57.9	55	3.8	3.53	13.4	2.56	72.5	75	5.2	4.27	16.2	3.25	91.9	18	1.2	10	0.7	14	36	17	43	24	61	2	0.6
	22	1.5	1.40	5.3	1.17	33.2	36	2.5	1.90	7.2	1.90	53.8	46	3.2	2.60	9.8	2.20	62.2	65	4.5	2.67	10.1	2.98	84.4	85	5.9	3.67	13.9	3.69	105	36	2.5	20	1.4	18	46	24	61	32	81	3	0.9
	26	1.8	1.00	3.8	1.29	36.5	40	2.8	1.63	6.2	1.63	46.2	50	3.4	2.20	8.3	2.38	67.5	—	—	—	—	—	—	—	—	—	—	—	—	46	3.2	30	2.1	23	58	29	74	37	94	3	0.9
	—	—	—	—	—	—	44	3.0	0.85	3.2	0.85	24.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55	3.8	40	2.8	30	76	34	86	47	119	4	1.2
AF8030SS	16	1.1	7.83	29.6	1.42	40.3	28	1.9	10.8	41.0	2.00	56.7	38	2.6	13.0	49.2	2.54	71.8	46	3.2	14.7	55.5	2.94	83.1	65	4.5	17.0	64.4	4.00	113	16	1.1	10	0.7	21	53	26	66	32	81	3	0.9
	18	1.2	7.83	29.6	1.56	44.1	30	2.1	10.7	40.4	2.14	60.4	40	2.8	13.0	49.2	2.67	75.6	50	3.4	14.2	53.6	3.20	90.7	70	4.8	16.7	63.1	4.14	117	30	2.1	20	1.4	24	61	30	76	39	99	4	1.2
	20	1.4	7.50	28.4	1.69	47.9	32	2.2	10.3	39.1	2.24	63.5	42	2.9	12.5	47.3	2.80	79.3	52	3.6	14.2	53.6	3.28	92.9	75	5.2	16.5	62.5	4.54	128	42	2.9	30	2.1	29	74	36	91	44	112	4	1.2
	24	1.7	7.43	28.1	1.82	51.6	36	2.5	10.3	39.1	2.49	70.5	46	3.2	12.5	47.3	2.94	83.1	56	3.9	13.7	51.7	3.47	98.2	85	5.9	16.2	61.2	4.76	135	56	3.9	40	2.8	32	81	39	99	47	119	4	1.2
AF8040SS	12	0.8	11.2	42.3	1.08	30.5	22	1.5	14.8	56.2	1.56	44.1	34	2.3	17.8	67.5	2.15	60.9	46	3.2	20.3	77.0	2.71	76.7	65	4.5	28.0	106	3.61	102	12	0.8	10	0.7	20	51	24	61	31	79	3	0.9
	14	1.0	10.3	39.1	1.19	33.6	26	1.8	14.3	54.3	1.72	48.7	38	2.6	17.3	65.6	2.28	64.5	50	3.4	19.7	74.4	2.92	82.8	75	5.2	26.3	99.7	4.14	117	26	1.8	20	1.4	25	64	29	74	36	91	4	1.2
	20	1.4	8.33	31.5	1.51	42.7	34	2.3	12.3	46.7	2.15	60.9	48	3.3	15.3	58.0	2.75	77.9	60	4.1	18.3	69.4	3.36	95.0	90	6.2	23.3	88.3	4.80	136	60	4.1	40	2.8	26	66	31	79	42	107	6	1.8
	—	—	—	—	—	—	38	2.6	11.7	44.2	2.43	68.7	50	3.4	14.8	56.2	2.88	81.6	70	4.8	17.0	64.4	3.91	111	100	6.9	22.7	85.8	5.33	151	100	6.9	60	4.1	32	81	39	99	44	112	7	2.1



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