

Atomizing Nozzles

External Mix Narrow Angle Flat Fan Pattern - 1/8 NPT



Model: EF8010SS
Material: Type 303 Stainless Steel



Model: EF8020SS
Material: Type 303 Stainless Steel



Model: EF8030SS
Material: Type 303 Stainless Steel



Model: EF8040SS
Material: Type 303 Stainless Steel

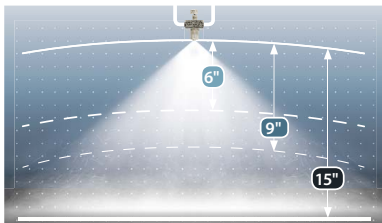


Model: EF8050SS
Material: Type 303 Stainless Steel

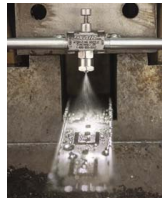
Model EF8010SS, EF8020SS, EF8030SS, EF8040SS and EF8050SS

1/8 NPT external mix narrow angle flat fan pattern nozzles are great where liquid is needed over a more concentrated area than the internal mix flat fan nozzles. Since they are external mix, airflow and liquid flow can be controlled independently. External mix flat fan pattern nozzles are the best choice where thicker liquids for a heavier coating are needed over a narrow band, such as a paint line.

For pressure fed applications with independent air and liquid control.

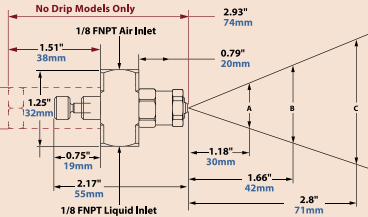


1/8 NPT External Mix Flat Fan atomizing nozzles are very versatile. They can apply a light or heavy film coating to products on a variety of different products.



Model EF8010SS applies lubricant to a drawer slide.

Dimensions and Airflow Pattern



For more information about droplet size and spray angle, see page 95.

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				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 PSI/BAR	Liquid PSI/BAR	Width			Max. Depth feet/m					
																	A	B	C							
EF8010SS	10	0.7		1.20	34.0		10	0.7		1.20	34.0		10	0.7		1.20	34.0	10	0.7	4	10	4	10	4	1.2	
	30	2.1	1.22	2.29	64.8	30	2.1	2.29	64.8	30	2.1	2.29	64.8	30	2.1	2.29	64.8	30	2.1	1.4	10	5	13	6	1.8	
	50	3.4		3.41	96.5	50	3.4	3.41	96.5	50	3.4	3.41	96.5	50	3.4	3.41	96.5	50	3.4	1.4	10	5	13	6	1.8	
EF8020SS	10	0.7		1.20	34.0		10	0.7		1.20	34.0		10	0.7		1.20	34.0	10	0.7	4	10	4	10	4	1.2	
	30	2.1	2.00	2.29	64.8	30	2.1	2.29	64.8	30	2.1	2.29	64.8	30	2.1	2.29	64.8	30	2.1	1.4	3	8	4.5	11	6	
	50	3.4		3.41	96.5	50	3.4	3.41	96.5	50	3.4	3.41	96.5	50	3.4	3.41	96.5	50	3.4	1.4	10	5	13	6	1.8	
EF8030SS	10	0.7		1.20	34.0		10	0.7		1.20	34.0		10	0.7		1.20	34.0	10	0.7	4	10	4	10	4	1.2	
	30	2.1	4.47	2.29	64.8	30	2.1	2.29	64.8	30	2.1	2.29	64.8	30	2.1	2.29	64.8	30	2.1	1.4	4	10	5	13	5	
	50	3.4	16.9	3.41	96.5	50	3.4	3.41	96.5	50	3.4	3.41	96.5	50	3.4	3.41	96.5	50	3.4	1.4	10	5	13	8	2.4	
EF8040SS	20	1.4		1.95	55.2		20	1.4		1.95	55.2		20	1.4		1.95	55.2	20	1.4	10	0.7	5.5	14	7	18	7
	30	2.1	8.67	2.50	70.8	30	2.1	2.50	70.8	30	2.1	2.50	70.8	30	2.1	2.50	70.8	30	2.1	1.4	5.5	14	7	18	9	
	40	2.8	32.8	3.13	88.6	40	2.8	3.13	88.6	40	2.8	3.13	88.6	40	2.8	3.13	88.6	40	2.8	1.4	5.5	14	7	18	10	
EF8050SS	20	1.4		1.95	55.2		20	1.4		1.95	55.2		20	1.4		1.95	55.2	20	1.4	10	0.7	7	18	9	23	9
	30	2.1		2.28	64.5	30	2.1	2.28	64.5	30	2.1	2.28	64.5	30	2.1	2.28	64.5	30	2.1	1.4	7	18	9	23	9	
	40	2.8	12.6	2.84	80.4	40	2.8	2.84	80.4	40	2.8	2.84	80.4	40	2.8	2.84	80.4	40	2.8	1.4	7	18	9	23	10	
EF8050SS	60	4.1		3.87	109.6	60	4.1	3.87	109.6	60	4.1	3.87	109.6	60	4.1	3.87	109.6	60	4.1	1.4	7	18	9	23	12	
	70	4.8		4.45	126.0	70	4.8	4.45	126.0	70	4.8	4.45	126.0	70	4.8	4.45	126.0	70	4.8	1.4	7	18	9	23	12	

External Mix Round Pattern - 1/4 NPT



Model: ER1010SS
Material: Type 303 Stainless Steel



Model: ER1020SS
Material: Type 303 Stainless Steel



Model: ER1030SS
Material: Type 303 Stainless Steel



Model: ER1040SS
Material: Type 303 Stainless Steel



Model: ER1050SS
Material: Type 303 Stainless Steel

Model ER1010SS, ER1020SS, ER1030SS, ER1040SS and ER1050SS

1/4 NPT external mix round pattern nozzles are great where a high volume of liquid is needed over a specific area or general area, but not in a flat pattern.

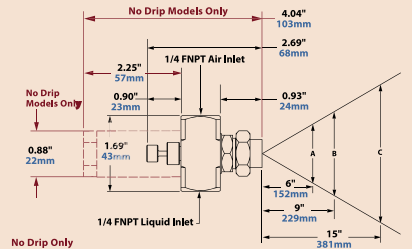
Applications include spot treatments of parts, covering irregularly shaped objects or covering a container of parts with a heavy coat. They are also an excellent choice for controlling heavy dust and particulates. Since they are external mix, airflow and liquid flow can be controlled independently.

For pressure fed applications with independent air and liquid control.



(2) Model ER1020SS atomizing nozzles are used to apply a fire retardant coating to wood trim.

Dimensions and Airflow Pattern



No Drip Only Dimensions in Red See page 90 for No Drip Atomizing Nozzles

For more information about droplet size and spray angle, see page 95.

Spray Nozzles

Model	3 PSI/0.2 BAR Liquid			5 PSI/0.3 BAR Liquid			10 PSI/0.7 BAR Liquid			20 PSI/1.4 BAR Liquid			40 PSI/2.8 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																			
	in	cm	mm	in	cm	mm	in	cm	mm	in	cm	mm	in	cm	mm	Air PSI/ BAR	Liquid PSI/ BAR	A	B	C																				
ER1010SS	5	0.3	0.9	25.5	5	0.3	0.9	25.5	10	0.7	1.3	36.8	20	1.4	1.9	53.8	20	1.4	1.9	53.8	10	0.7	3	0.2	30	7.6	4.3	10.9	6.3	16.0	9	2.7								
	10	0.7	1.3	36.8	10	0.7	1.3	36.8	20	1.4	1.9	53.8	40	2.8	3.0	85.0	40	2.8	3.0	85.0	20	1.4	5	0.3	33	8.4	4.5	11.4	6.8	17.3	11	3.4								
	20	1.4	1.9	53.8	30	2.1	2.4	68.0	40	2.8	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	40	2.8	10	0.7	35	8.9	5.3	13.5	7.5	19.1	13	4.0								
ER1020SS	6	0.4	0.9	25.5	10	0.7	1.3	36.8	10	0.7	1.3	36.8	20	1.4	1.9	53.8	40	2.8	2.9	82.1	40	2.8	30	8.50	10	0.7	3	0.2	3.8	9.7	5.0	12.7	7.5	19.1	10	3.0				
	10	0.7	1.3	36.8	20	1.4	1.9	53.8	20	1.4	1.9	53.8	40	2.8	3.0	85.0	60	4.1	4.1	116	60	4.1	4.1	116	20	1.4	5	0.3	4.0	10.2	5.8	14.7	7.0	17.8	12	3.7				
	20	1.4	1.9	53.8	30	2.1	2.4	68.0	40	2.8	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	40	2.8	10	0.7	4.3	10.9	6.0	15.2	8.3	21.1	15	4.6				
ER1030SS	30	2.1	3.6	102	60	4.1	5.5	156	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
	40	2.8	3.6	102	60	4.1	5.5	156	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
	50	3.4	3.6	102	60	4.1	5.5	156	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
ER1040SS	10	0.7	1.3	36.8	10	0.7	1.3	36.8	10	0.7	1.3	36.8	20	1.4	1.9	53.8	40	2.8	3.1	87.8	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
	20	1.4	1.9	53.8	30	2.1	2.4	68.0	40	2.8	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
	30	2.1	2.4	68.0	40	2.8	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
ER1050SS	30	2.1	3.6	102	60	4.1	5.5	156	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
	40	2.8	3.6	102	60	4.1	5.5	156	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116
	60	4.1	4.1	116	60	4.1	5.5	156	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116	60	4.1	4.1	116

Note: When air pressure is 10x or more than liquid pressure, liquid flow may diminish.

Atomizing Nozzles

External Mix Narrow Angle Flat Fan Pattern - 1/4 NPT



Model: EF1010SS
Material: Type 303 Stainless Steel



Model: EF1020SS
Material: Type 303 Stainless Steel



Model: EF1030SS
Material: Type 303 Stainless Steel



Model: EF1040SS
Material: Type 303 Stainless Steel

Model EF1010SS, EF1020SS, EF1030SS and EF1040SS

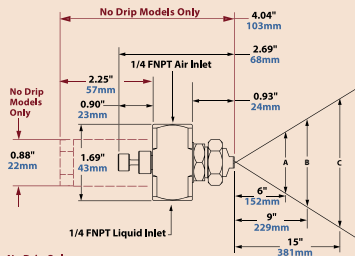
1/4 NPT external mix narrow angle flat fan pattern nozzles are great where a high volume of liquid is needed over a concentrated area. Since they are external mix, airflow and liquid flow can be controlled independently. External mix narrow angle flat fan pattern nozzles are the best choice where thicker liquids for a heavy coating are needed over a narrow band, such as a paint line.

For pressure fed applications with independent air and liquid control.



A Model EF1020SS is used to supply humidification for a corrosion test chamber.

Dimensions and Airflow Pattern



No Drip Only Dimensions in Red See page 90 for No Drip Atomizing Nozzles

For more information about droplet size and spray angle, see page 95.

DOWNLOAD drawings at EXAIR.com

Model	3 PSI/0.2 BAR Liquid			5 PSI/0.3 BAR Liquid			10 PSI/0.7 BAR Liquid			20 PSI/1.4 BAR Liquid			40 PSI/2.8 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																		
EF1010SS	5	0.3		0.8	22.7	10	0.7		1.0	28.3	15	1.0		1.3	36.8	25	1.7		1.8	51.0	45	3.1		2.7	76.5	5	0.3	0.2	4.0	10.2	5.8	14.7	9.5	24.1	6	1.8		
	10	0.7		1.0	28.3	20	1.4		1.5	42.5	25	1.7		1.8	51.0	40	2.8		2.0	56.6	40	2.8		3.4	96.3	25	1.7	0.2	6.5	14.0	8.0	20.3	10.0	25.4	12	3.7		
	20	1.4	1.0	3.8						2.0	56.6	40	2.8		2.5	70.8	60	4.1		2.5	70.8	60	4.1		4.1	116	50	3.4	0.2	14.4	6.5	16.5	9.5	24.1	13.0	33.0	13	4.0
	40	2.8								2.5	70.8	50	3.4		2.9	82.1	60	4.1		2.9	82.1	60	4.1		5.1	144	75	5.2	0.4	28.8	6.5	16.5	9.5	24.1	13.0	33.0	18	5.5
EF1020SS	10	0.7		1.0	28.3	15	1.0		1.3	36.8	20	1.4		1.5	42.5	25	1.7		2.2	62.3	50	3.4		2.9	82.1	10	0.7	0.2	4.5	11.4	7.0	17.8	11.0	27.9	9	2.7		
	20	1.4		1.5	42.5	25	1.7		1.8	51.0	30	2.1		2.0	56.6	40	2.8		2.9	82.1	60	4.1		3.4	96.3	30	2.1	0.3	6.0	15.2	10.0	25.4	14.0	35.6	14	4.3		
	30	2.1	2.5	9.5						2.5	70.8	50	3.4		2.9	82.1	70	4.8		3.8	108	80	5.5		4.3	122	35	2.4	0.2	14.4	6.5	16.5	11.0	27.9	16.0	40.6	17	5.2
	50	3.4								3.4	96.3	70	4.8		3.8	108	90	6.2		4.7	133	100	6.9		5.2	147	75	5.2	0.4	28.8	6.5	16.5	9.5	24.1	13.0	33.0	18	5.5
EF1030SS	10	0.7		1.0	28.3	15	1.0		1.3	36.8	20	1.4		1.5	42.5	25	1.7		2.2	62.3	50	3.4		2.9	82.1	10	0.7	0.2	4.5	11.4	7.0	17.8	11.0	27.9	9	2.7		
	20	1.4		1.5	42.5	25	1.7		1.8	51.0	30	2.1		2.0	56.6	40	2.8		2.9	82.1	60	4.1		3.4	96.3	30	2.1	0.3	6.0	15.2	10.0	25.4	14.0	35.6	14	4.3		
	30	2.1	2.5	9.5						2.5	70.8	50	3.4		2.9	82.1	70	4.8		3.8	108	80	5.5		4.3	122	35	2.4	0.2	14.4	6.5	16.5	11.0	27.9	16.0	40.6	17	5.2
	50	3.4								3.4	96.3	70	4.8		3.8	108	90	6.2		4.7	133	100	6.9		5.2	147	75	5.2	0.4	28.8	6.5	16.5	9.5	24.1	13.0	33.0	18	5.5
EF1040SS	10	0.7		1.0	28.3	15	1.0		1.3	36.8	20	1.4		1.5	42.5	25	1.7		2.2	62.3	50	3.4		2.9	82.1	10	0.7	0.2	4.5	11.4	7.0	17.8	11.0	27.9	9	2.7		
	20	1.4		1.5	42.5	25	1.7		1.8	51.0	30	2.1		2.0	56.6	40	2.8		2.9	82.1	60	4.1		3.4	96.3	30	2.1	0.3	6.0	15.2	10.0	25.4	14.0	35.6	14	4.3		
	30	2.1	4.4	16.7						2.5	70.8	50	3.4		2.9	82.1	70	4.8		3.8	108	80	5.5		4.3	122	35	2.4	0.2	14.4	6.5	16.5	11.0	27.9	16.0	40.6	17	5.2
	50	3.4								3.4	96.3	70	4.8		3.8	108	90	6.2		4.7	133	100	6.9		5.2	147	75	5.2	0.4	28.8	6.5	16.5	9.5	24.1	13.0	33.0	18	5.5

External Mix Wide Angle Flat Fan Pattern - 1/4 NPT



Model: EB1010SS
Material: Type 303 Stainless Steel



Model: EB1020SS
Material: Type 303 Stainless Steel



Model: EB1030SS
Material: Type 303 Stainless Steel



Model: EB1040SS
Material: Type 303 Stainless Steel

Model EB1010SS, EB1020SS, EB1030SS and EB1040SS

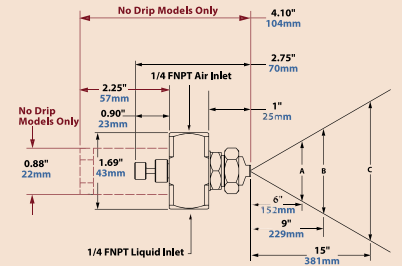
1/4 NPT external mix wide angle flat fan pattern nozzles are great where a high volume of liquid is needed over a wide area such as a conveyor line. Because they are external mix, airflow and liquid flow can be controlled independently. Common applications are those which require a moderate application of liquid over a broad area, such as cooling or coating wide webs.

For pressure fed applications with independent air and liquid control.



(2) Model EB1040SS nozzles are used to rinse wine bottles after capping.

Dimensions and Airflow Pattern



No Drip Only Dimensions in Red See page 90 for No Drip Atomizing Nozzles

For more information about droplet size and spray angle, see page 95.

DOWNLOAD drawings at EXAIR.com

Spray Nozzles

Model	3 PSI/0.2 BAR Liquid			5 PSI/0.3 BAR Liquid			10 PSI/0.7 BAR Liquid			20 PSI/1.4 BAR Liquid			40 PSI/2.8 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 Air PSI/BAR	Liquid PSI/BAR	Width			Max. Depth feet/m
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
EB1010SS	5 0.3		0.9 25.5	5 0.3		0.9 25.5	8 0.6		1.1 31.1	10 0.7		1.3 36.8	15 1.0		1.7 48.1	10 0.7	5 0.3	8.0 20.3	10 2.7	140 35.6	9 2.7
	8 0.6	1.0 3.8	1.1 31.1	10 0.7	1.3 36.8	10 0.7	1.7 48.1	20 1.4	1.7 48.1	20 1.4	2.0 56.6	30 2.1	2.0 56.6	30 2.1	2.6 73.6	20 1.4	20 1.4	9.3 23.6	140 35.6	190 48.3	31 3.4
	15 1.0		1.7 48.1	20 1.4	2.0 56.6	30 2.1	2.6 73.6	35 2.4	3.0 85.0	35 2.4	3.0 85.0	35 2.4	3.0 85.0	35 2.4	3.0 85.0	25 1.7	4.0 2.8	11.0 27.9	150 38.1	210 53.3	14 4.3
EB1020SS	6 0.4		1.0 28.3	6 0.4	1.0 28.3	6 0.4	1.0 28.3	10 0.7	1.3 36.8	20 1.4	1.3 36.8	20 1.4	2.0 56.6	30 2.1	2.0 56.6	8 0.6	5 0.3	11.0 27.9	160 40.6	190 48.3	8 2.4
	7 0.5	2.5 9.5	1.1 31.1	8 0.6	1.1 31.1	8 0.6	1.1 31.1	12 0.8	1.5 42.5	25 1.7	1.5 42.5	25 1.7	2.3 65.1	30 2.1	2.3 65.1	15 1.0	10 0.7	11.0 27.9	160 40.6	210 53.3	11 3.4
	8 0.6		1.1 31.1	9 0.6	1.2 34.0	10 0.7	1.3 36.8	15 1.0	1.7 48.1	30 2.1	1.7 48.1	30 2.1	2.6 74.0	30 2.1	2.6 74.0	20 1.4	20 1.4	12.0 30.5	170 43.2	220 55.9	12 3.7
EB1030SS	8 0.6		1.3 36.8	10 0.7	1.3 36.8	12 0.8	1.5 42.5	20 1.4	2.0 56.6	35 2.4	2.0 56.6	35 2.4	3.0 85.0	35 2.4	3.0 85.0	30 2.1	4.0 2.8	13.0 33.0	190 48.3	240 61.0	14 4.3
	8 0.6	4.4 16.7	3.4 96.3	10 0.7	3.8 108	15 1.0	4.8 136	35 2.4	8.4 238	50 3.4	8.4 238	50 3.4	11.0 311	15 1.0	11.0 311	15 1.0	3 0.2	11.0 27.9	170 43.2	210 53.3	13 4.0
	15 1.0		4.8 136	20 1.4	5.9 167	25 1.7	6.7 190	45 3.1	11.0 286	65 4.5	11.0 286	65 4.5	12.3 348	25 1.7	12.3 348	45 3.1	20 1.4	13.0 33.0	190 48.3	240 61.0	21 6.4
EB1040SS	20 1.4		5.9 167	25 1.7	6.7 190	35 2.4	8.4 238	55 3.8	11.7 331	85 5.9	11.7 331	85 5.9	15.7 445	60 4.1	15.7 445	60 4.1	30 2.1	14.0 35.6	180 45.7	240 61.0	26 7.9
	25 1.7		6.7 190	30 2.1	7.6 215	40 2.8	9.3 263	60 4.1	12.0 340	95 6.5	12.0 340	95 6.5	16.8 476	70 4.8	16.8 476	70 4.8	2.8	14.0 35.6	180 45.7	240 61.0	30 9.1
	10 0.7		3.8 108	15 1.0	4.8 136	25 1.7	6.7 190	45 3.1	11.0 286	75 5.2	11.0 286	75 5.2	13.7 388	30 2.1	13.7 388	30 2.1	5 0.3	13.0 33.0	190 48.3	240 61.0	17 5.2
EB1010SS	15 1.0	100 375	4.8 136	20 1.4	5.9 167	30 2.1	7.6 215	50 3.4	11.0 311	85 5.9	11.0 311	85 5.9	15.7 445	65 4.5	15.7 445	65 4.5	20 1.4	14.0 35.6	200 50.8	260 66.0	19 5.8
	20 1.4		5.9 167	30 2.1	7.6 215	40 2.8	9.3 263	70 4.8	13.4 379	95 6.5	13.4 379	95 6.5	16.8 476	80 5.5	16.8 476	80 5.5	1.4	15.0 38.1	210 53.3	270 68.6	23 7.0
	25 1.7		6.7 190	35 2.4	7.6 215	45 3.1	8.4 238	60 4.1	14.8 419	100 6.9	14.8 419	100 6.9	18.3 518	90 6.2	18.3 518	90 6.2	2.8	16.0 40.6	220 55.9	280 71.1	26 7.9

Atomizing Nozzles

External Mix Narrow Angle Flat Fan Pattern - 1/2 NPT



Model: EF5010SS
Material: Type 303 Stainless Steel

Model EF5010SS

1/2 NPT external mix narrow angle flat fan pattern nozzles are great where a high volume of liquid is needed over a concentrated area. Since they are external mix, airflow and liquid flow can be controlled independently. External mix narrow angle flat fan pattern nozzles are the best choice where thicker liquids for a heavy coating are needed over a narrow band, such as a paint line.

For pressure fed applications with independent air and liquid control.



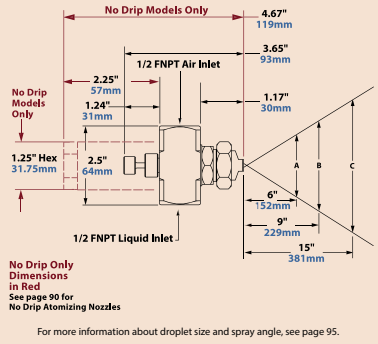
External mix narrow angle flat fan nozzles provide a high volume of liquid in a concentrated area.

Spray Nozzles



See page 4 for complete details.

Dimensions and Airflow Pattern



Model	3 PSI/0.2 BAR Liquid			5 PSI/0.3 BAR Liquid			7 PSI/0.5 BAR Liquid			10 PSI/0.7 BAR Liquid			15 PSI/1.0 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																					
EF5010SS	30	2.1		30.2	85.4		40	2.8		36.6	1037		45	3.1		39.9	1130		55	3.8		46.4	1314	80	5.5		56.0	1586	35	2.4	3	0.2	15	38	18.5	47	22	56	25	76	
	35	2.4		34.0	96.1		45	3.1		40.4	1144		49.75	1409		50	3.4	5	0.3	15	38	19	48	23	58	31	9.4	60.0	1699	50	3.4	5	0.3	15	38	19	48	23	58	31	9.4
	40	2.8	141	534	37.3	1055		55	3.8		47.4	1342		60	4.1		49.5	1402	70	4.8		52.84	1496	90	6.2	303	1147	61.4	1739	70	4.8	10	0.7	15	38	20	51	25	64	33	10.1
	45	3.1			40.8	1155		60	4.1		50.0	1416		70	4.8		56.8	1609	80	5.5		59.7	1691	100	6.9		67.6	1914	90	6.2	15	1.0	15	38	20	51	25	64	35	10.7	

No Drip Atomizing Nozzles

No Drip Internal Mix Atomizing Nozzles are for pressure fed applications not requiring independent air and liquid control.



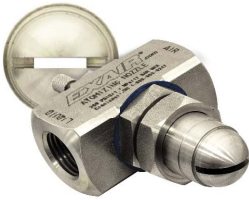
Model	Description
No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles	
AN9010SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 2.63 GPH/9.96 LPH Max, 1/8 NPT
AN9020SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 3.33 GPH/12.61 LPH Max, 1/8 NPT
AN9030SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 6.3 GPH/23.85 LPH Max, 1/8 NPT
AN9040SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 12.00 GPH/45.42 LPH Max, 1/8 NPT
AN9050SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 18.93 GPH/71.66 LPH Max, 1/8 NPT
AN2010SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 3.3 GPH/12.5 LPH Max, 1/4 NPT
AN2020SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 9.9 GPH/37.5 LPH Max, 1/4 NPT
AN2030SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 23.0 GPH/87.1 LPH Max, 1/4 NPT
AN2040SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 66.0 GPH/250 LPH Max, 1/4 NPT
AN6010SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 75.6 GPH/286 LPH Max, 1/2 NPT
AN6020SS	No Drip Internal Mix Narrow Angle Round Pattern Atomizing Nozzles, 231.0 GPH/874 LPH Max, 1/2 NPT
No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles	
AW9010SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 2.60 GPH/9.84 LPH Max, 1/8 NPT
AW9020SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 9.83 GPH/37.22 LPH Max, 1/8 NPT
AW9030SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 15.00 GPH/56.78 LPH Max, 1/8 NPT
AW9040SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 22.33 GPH/84.54 LPH Max, 1/8 NPT
AW2010SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 3.5 GPH/13.2 LPH Max, 1/4 NPT
AW2020SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 8.5 GPH/32.2 LPH Max, 1/4 NPT
AW2030SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 15.0 GPH/56.8 LPH Max, 1/4 NPT
AW2040SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 24.0 GPH/91 LPH Max, 1/4 NPT
AW6010SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 66.0 GPH/250 LPH Max, 1/2 NPT
AW6020SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 115.0 GPH/435 LPH Max, 1/2 NPT
AW6030SS	No Drip Internal Mix Wide Angle Round Pattern Atomizing Nozzles, 264.0 GPH/999 LPH Max, 1/2 NPT

NO DRIP INTERNAL MIX ATOMIZING NOZZLES

Spray Nozzles

Atomizing Nozzles

Internal Mix Flat Fan Pattern - 1/2 NPT



Model: AF5010SS
Material: Type 303 Stainless Steel

Model AF5010SS and AF5020SS

1/2 NPT internal mix flat fan pattern atomizing nozzles are designed with efficiency in mind. Especially good for vertical or horizontal assembly lines, the broad thin pattern of these larger atomizing nozzles makes efficient use of your expensive liquids. Their output can be adjusted for a very light film or a heavy coat of atomized liquid. 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.

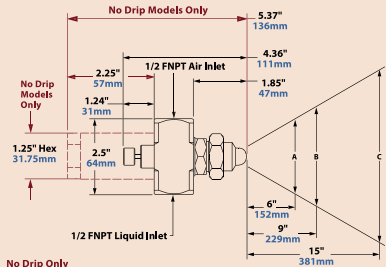


Use the adjustable liquid valve to apply just the right amount of liquid upon your application.



Model: AF5020SS
Material: Type 303 Stainless Steel

Dimensions and Airflow Pattern



No Drip Only Dimensions in Red See page 90 for No Drip Atomizing Nozzles

For more information about droplet size and spray angle, see page 95.

Need Help Choosing The Best Atomizing Nozzle For Your Application?

Not sure which atomizing nozzle is required?

Our Application Engineers can assist you in determining the correct model.

Call 1-800-903-9247 to speak with an Application Engineer.

Spray Dimensions

Model	Pressure		Width						Max. Depth feet/m			
	Air PSI/ BAR	Liquid PSI/BAR	A		B		C					
			in	cm	in	cm						
AF5010SS	20	1.4	10	0.7	25	64	34	86	45	114	14	4.3
	40	2.8	20	1.4	28	71	36	91	46	117	18	5.5
	50	3.4	25	1.7	29	74	38	97	48	122	22	6.7
	70	4.8	40	2.8	32	81	42	107	51	130	27	8.2
AF5020SS	10	0.7	5	0.3	21	53	27	69	36	91	13	4.0
	20	1.4	15	1.0	34	86	42	107	52	132	15	4.6
	44	3.0	35	2.4	39	99	47	119	64	163	19	5.8
	64	4.4	55	3.8	40	102	50	127	68	173	20	6.1

Model	5 PSI/0.3 BAR Liquid					15 PSI/1.0 BAR Liquid					25 PSI/1.7 BAR Liquid					35 PSI/2.4 BAR Liquid					55 PSI/3.8 BAR Liquid									
	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	Air Pressure PSI/BAR	GPH/LPH	SCFM/SLPM									
AF5010SS	---	---	---	---	---	28	1.9	33.6	127	23.4	663	44	3.0	38.4	145	32.4	918	58	4.0	46.2	175	40.3	1141	---	---	---	---	---		
	---	---	---	---	---	30	2.1	25.2	95	25.3	716	48	3.3	35.8	136	36.2	1025	62	4.3	34.8	132	43.5	1232	---	---	---	---	---		
	---	---	---	---	---	34	2.3	12.6	48	28.7	813	50	3.4	18	68	38.0	1076	65	4.5	25.2	95	46.0	1303	---	---	---	---	---		
	---	---	---	---	---	36	2.5	11.5	44	31.2	884	60	4.1	3.5	13	46.0	1303	70	4.8	16.2	61	49.7	1408	---	---	---	---	---		
AF5020SS	10	0.69	18	68	18.0	510	18	1.2	87.6	332	15.6	442	26	1.8	150	568	17.9	507	36	2.5	177	670	22.3	632	54	3.7	231	874	29.3	830
	12	0.83	6	23	6.0	170	20	1.4	62.4	236	18.4	521	30	2.1	99	375	22.3	632	40	2.8	132	500	26.6	753	60	4.1	186	704	35.6	1008
	---	---	---	---	---	22	1.5	45.6	173	20.6	583	36	2.5	50.4	191	29.9	847	46	3.2	76.8	291	34.4	974	68	4.7	108	409	44.4	1257	
	---	---	---	---	---	24	1.7	30.6	116	23.3	660	40	2.8	26.4	100	35.2	997	52	3.6	38.4	145	41.5	1175	76	5.2	66	250	53.13	1505	