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

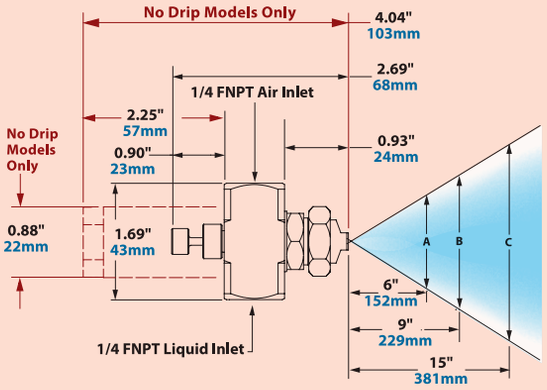
1/4 NPT external mix narrow angle flat fan pattern nozzles are great where a high volume of liquid is needed over a concentrated area. Since they are external mix, airflow and liquid flow can be controlled independently. External mix narrow angle flat fan pattern nozzles are the best choice where thicker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

DOWNLOAD drawings at EXAIR.com



No Drip Only Dimensions in Red
See page 93 for No Drip Atomizing 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		Pressure: Liquid PSI/BAR		Width: A in	Width: A cm	Width: B in	Width: B cm	Width: C in	Width: C cm	Max. Depth feet/m		Model
EF1010SS	5	0.3	1.0	3.8	0.8	22.7	10	0.7	1.4	5.3	1.0	28.3	15	1.0	1.9	7.2	1.3	36.8	25	1.7	2.7	10.2	1.8	51.0	45	3.1	3.8	14.4	2.7	76.5	5	0.3	3	0.2	4.0	10.2	5.8	14.7	9.5	24.1	6	1.8	EF1010SS
	10	0.7			1.0	28.3	20	1.4			1.5	42.5	25	1.7			1.8	51.0	40	2.8			2.5	70.8	60	4.1			3.4	96.3	25	1.7	5	0.3	5.5	14.0	8.0	20.3	10.0	25.4	12	3.7	
	20	1.4			1.5	42.5	30	2.1			2.0	56.6	40	2.8			2.5	70.8	60	4.1			3.4	96.3	75	5.2			4.1	116	25	1.7	20	1.4	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			3.4	96.3	90	6.2			4.7	133	95	6.5			5.1	144	50	3.4	20	1.4	6.3	16.0	9.3	23.6	12.0	30.5	16	4.9	
																															75	5.2	40	2.8	6.5	16.5	9.5	24.1	13.0	33.0	18	5.5	
EF1020SS	10	0.7	2.5	9.5	1.0	28.3	15	1.0	3.2	12.1	1.3	36.8	20	1.4	4.3	16.3	1.5	42.5	35	2.4	5.9	22.3	2.2	62.3	50	3.4	7.5	28.4	2.9	82.1	10	0.7	3	0.2	4.5	11.4	7.0	17.8	11.0	27.9	9	2.7	EF1020SS
	20	1.4			1.5	42.5	25	1.7			1.8	51.0	30	2.1			2.0	56.6	50	3.4			2.9	82.1	60	4.1			3.4	96.3	30	2.1	5	0.3	6.0	15.2	10.0	25.4	14.0	35.6	14	4.3	
	30	2.1			2.0	56.6	40	2.8			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	20	1.4	6.5	16.5	11.0	27.9	16.0	40.6	17	5.2	
	50	3.4			2.9	82.1	60	4.1			3.4	96.3	70	4.8			3.8	108	90	6.2			4.7	133	100	6.9			5.2	147	60	4.1	20	1.4	7.5	19.1	11.5	29.2	18.0	45.7	20	6.1	
																															75	5.2	40	2.8	7.5	19.1	12.0	30.5	17.0	43.2	22	6.7	
EF1030SS	10	0.7	4.4	16.7	3.5	99.1	20	1.4	5.5	20.8	5.3	150	25	1.7	7.6	28.8	6.1	173	40	2.8	11.0	41.6	8.4	238	50	3.4	14.0	53.0	10.0	283	10	0.7	3	0.2	6.0	15.2	9.0	22.9	12.0	30.5	12	3.7	EF1030SS
	20	1.4			5.3	150	30	2.1			6.9	195	35	2.4			7.6	215	50	3.4			10.0	283	60	4.1			11.5	326	35	2.4	5	0.3	6.8	17.3	9.0	22.9	12.0	30.5	20	6.1	
	30	2.1			6.9	195	40	2.8			8.4	238	50	3.4			10.0	283	70	4.8			12.7	360	80	5.5			13.7	388	40	2.8	10	0.7	7.0	17.8	10.0	25.4	13.0	33.0	23	7.0	
	50	3.4			10.0	283	60	4.1			11.5	326	70	4.8			12.7	360	90	6.2			14.8	419	95	6.5			15.1	428	60	4.1	20	1.4	7.0	17.8	11.0	27.9	14.0	35.6	28	8.5	
																															75	5.2	40	2.8	7.0	17.8	11.0	27.9	14.0	35.6	30	9.1	
EF1040SS	15	1.0	10.0	37.9	4.4	125	25	1.7	13.5	51.1	6.1	173	35	2.4	18.8	71.2	7.6	215	45	3.1	27.6	104	9.2	261	55	3.8	31.0	117	10.7	303	15	1.0	3	0.2	6.0	15.2	10.0	25.4	14.0	35.6	13	4.0	EF1040SS
	25	1.7			6.1	173	35	2.4			7.6	215	45	3.1			9.2	261	55	3.8			10.7	303	65	4.5			12.2	345	30	2.1	3	0.2	6.8	17.3	11.0	27.9	14.0	35.6	17	5.2	
	40	2.8			8.4	238	50	3.4			10.0	283	60	4.1			11.5	326	70	4.8			12.7	360	80	5.5			13.7	388	50	3.4	10	0.7	7.5	19.1	12.0	30.5	15.0	38.1	22	6.7	
	50	3.4			10.0	283	60	4.1			11.5	326	80	5.5			13.7	388	90	6.2			14.8	419	100	6.9			16.2	459	60	4.1	20	1.4	8.0	20.3	12.0	30.5	16.0	40.6	25	7.6	
																															80	5.5	40	2.8	7.0	17.8	11.0	27.9	15.0	38.1	27	8.2	