

Air Atomizing Spray Nozzles



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

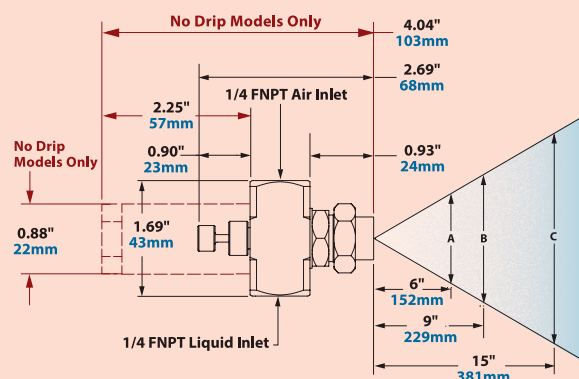
1/4 NPT external mix round pattern nozzles are great where a high volume of liquid is needed over a specific area or general area, but not in a flat pattern. Applications include spot treatments of parts, covering irregularly shaped objects or covering a container of parts with a heavy coat. They are 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 93 for No Drip Atomizing Nozzles

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							
																Air PSI/BAR	Liquid PSI/BAR	A	B	C								
ER1010SS	5 0.3	1.0	3.8	0.9 25.5	5 0.3	1.4	5.3	0.9 25.5	10 0.7	1.3 36.8	20 1.4	2.7	10.2	1.9 53.8	20 1.4	3.0 85.0	10	0.7	3	0.2	3.0	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	4.1 116	20	1.4	5	0.3	3.3	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	3.0 85.0	60 4.1			4.1 116	60 4.1	5.7 161	40	2.8	10	0.7	3.5	8.9	5.3	13.5	7.5	19.1	13	4.0
	40 2.8			3.0 85.0	50 3.4			3.5 99.1	60 4.1	4.1 116	90 6.2			5.7 161	90 6.2	7.7 218	60	4.1	40	2.8	4.0	10.2	5.5	14.0	8.0	20.3	15	4.6
ER1020SS	6 0.4	2.5	9.5	0.9 25.5	10 0.7	3.2	12.1	1.3 36.8	10 0.7	1.3 36.8	20 1.4	4.3	16.3	2.9 82.1	40 2.8	3.0 85.0	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			1.8 51.0	20 1.4	1.9 53.8	40 2.8	5.9	22.3	3.1 87.8	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
	30 2.1			2.4 68.0	40 2.8			3.1 87.8	40 2.8	3.1 87.8	60 4.1			4.1 116	80 5.5	5.3 150	40	2.8	10	0.7	4.3	10.9	6.0	15.2	8.3	21.1	15	4.6
	50 3.4			3.6 102	60 4.1			4.1 116	60 4.1	4.1 116	90 6.2			5.9 167	90 6.2	7.7 218	60	4.1	40	2.8	4.0	10.2	5.5	14.0	8.0	20.3	15	4.6
ER1030SS	10 0.7	4.4	16.7	0.9 25.5	10 0.7	5.5	20.8	1.3 36.8	15 1.0	4.9 139	30 2.1	7.6	28.8	5.9 167	90 6.2	9.5 269	10	0.7	3	0.2	4.3	10.9	6.0	15.2	8.8	22.4	13	4.0
	20 1.4			1.3 36.8	20 1.4			1.8 51.0	20 1.4	1.9 53.8	40 2.8	11.0	41.6	3.1 87.8	60 4.1	4.1 116	20	1.4	5	0.3	4.5	11.4	6.5	16.5	8.5	21.6	13	7.0
	40 2.8			1.9 53.8	40 2.8			2.4 68.0	40 2.8	3.0 85.0	60 4.1			4.1 116	60 4.1	5.7 161	40	2.8	10	0.7	4.8	12.2	6.8	17.3	9.0	22.9	24	7.3
	50 3.4			2.4 68.0	60 4.1			3.1 87.8	60 4.1	3.1 87.8	90 6.2			4.1 116	80 5.5	5.3 150	60	4.1	20	1.4	4.5	11.4	6.8	17.3	9.0	22.9	29	8.8
ER1040SS	15 1.0	10.0	37.9	0.9 25.5	20 1.4	13.5	51.1	1.3 36.8	30 2.1	7.7 218	40 2.8	18.8	71.2	5.9 167	90 6.2	9.5 269	15	1.0	3	0.2	4.3	10.9	6.0	15.2	8.8	22.4	30	9.1
	30 2.1			1.3 36.8	30 2.1			1.8 51.0	40 2.8	1.9 53.8	60 4.1			4.1 116	60 4.1	5.7 161	20	1.4	5	0.3	5.8	14.7	7.5	19.1	10.0	25.4	15	4.6
	40 2.8			1.9 53.8	40 2.8			2.4 68.0	40 2.8	3.0 85.0	60 4.1			4.1 116	60 4.1	5.7 161	40	2.8	5	0.3	6.0	15.2	8.0	20.3	10.3	26.2	19	5.8
	50 3.4			2.4 68.0	60 4.1			3.1 87.8	60 4.1	3.1 87.8	90 6.2			4.1 116	80 5.5	5.3 150	60	4.1	10	0.7	6.0	15.2	8.0	20.3	10.5	26.7	23	7.0
ER1050SS	40 2.8	18.0	68.1	0.9 25.5	55 3.8	26.0	98.0	1.3 36.8	65 4.5	21.0 595	80 5.5	41.0	155	5.9 167	90 6.2	9.5 269	40	2.8	5	0.3	6.5	16.5	9.0	22.9	10.0	25.4	28	8.5
	50 3.4			1.3 36.8	65 4.5			1.8 51.0	70 4.8	22.3 631	90 6.2			4.1 116	80 5.5	5.3 150	40	2.8	3	0.2	6.5	16.5	8.8	22.4	11.0	27.9	23	7.0
	60 4.1			1.9 53.8	70 4.8			2.4 68.0	80 5.5	25.3 716	90 6.2			4.1 116	80 5.5	5.3 150	60	4.1	10	0.7	6.5	16.5	9.0	22.9	11.0	27.9	30	9.1
	65 4.5			2.4 68.0	80 5.5			3.1 87.8	90 6.2	27.9 790	90 6.2			4.1 116	80 5.5	5.3 150	80	5.5	10	0.7	6.5	16.5	9.0	22.9	11.0	27.9	30	9.1

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



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