

Round Spray External-Mix Air Atomizing Nozzles

Pressure-fed, External Mix, Narrow Round Spray Pattern, 1/8" and 1/4" Pipe Sizes																														
Pipe Size	Spray Set-up Number	Fluid and Air Cap Numbers	3 PSI Liquid			5 PSI Liquid			10 PSI Liquid			20 PSI Liquid			40 PSI Liquid			Spray Dimensions												
			PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI air	GPH	SCFM	PSI Liquid	Air	A in	B in	C in	D ft							
1/8"	ER 050	Fluid Cap FC7 & Air Cap AC1801	5	0.7	0.8	5	0.8	5	0.8	10	1.2	10	1.2	20	1.8	20	1.8	3	10	2	4	5	8							
			10		1.2	10	1.2	20	1.8	30	2.3	40	3	20	3	4	4	10												
			20		1.8	20	1.8	30	2.3	40	2.9	50	4	40	2	3	5	16												
			30		2.3	30	2.3	40	2.9	50	3.5	60	4.7	20	20	3	2	3	14											
			40		2.9	40	2.9	50	3.5	60	4.0	70	4.7	20	40	2	3	4	18											
			50	3.5	60	4.0	70	4.7	90	5.9	40	60	3	3	4	20														
			or	ER 150	Fluid Cap FC4 & Air Cap AC1801	5	1.0	0.8	5	0.8	10	1.2	10	1.2	20	1.8	20	1.8	3	10	2	3	3	3	10					
						10		1.2	20	1.8	30	2.3	40	2.9	50	4	40	2	3	5	16									
						20		1.8	30	2.3	40	2.9	50	3.5	60	4	60	20	3	3	5	13								
						30		2.3	40	2.9	50	3.5	60	4.0	70	4.7	20	40	3	4	4	18								
40	2.9	50				3.5		60	4.0	70	4.7	90	5.9	40	60	3	4	6	20											
50	3.5	60				4.0	70	4.7	90	5.9	40	60	3	4	4	10														
1/4"	ER 250	Fluid Cap FC3 & Air Cap AC1801				6	2.0	0.9	10	1.2	10	1.2	20	1.8	20	1.8	30	2.3	40	2.9	50	4	4	4	10					
						10		1.2	20	1.8	30	2.3	40	2.9	50	3.5	60	4.0	70	4.7	20	20	3	3	5	14				
						20		1.8	30	2.3	40	2.9	50	3.5	60	4.0	70	4.7	90	5.9	40	60	3	3	5	14				
						30		2.3	40	2.9	50	3.5	60	4.0	70	4.7	90	5.9	40	60	3	4	5	17						
			40	2.9	50	3.5		60	4.0	70	4.7	90	5.9	40	60	3	4	4	18											
			50	3.5	60	4.0	70	4.7	90	5.9	40	60	3	4	5	16														
			or	ER 350	Fluid Cap FC6 & Air Cap AC1802	10	3.3	3.4	10	3.4	15	3.4	20	4.5	30	5.5	40	7.2	50	8.9	3	10	3	5	6	9				
						15		4.5	20	5.5	30	7.2	40	8.9	50	10.6	60	12.2	70	13.9	10	40	3	4	6	16				
						20		5.5	30	7.2	40	8.9	50	10.6	60	12.2	70	13.9	80	15.6	20	30	3	4	6	16				
						30		7.2	40	8.9	50	10.6	60	12.2	70	13.9	80	15.6	90	16.7	20	60	3	5	7	17				
40	8.9	50				10.6		60	12.2	70	13.9	80	15.6	90	16.7	40	60	3	5	6	18									
50	10.6	60				12.2	70	13.9	80	15.6	90	16.7	40	60	3	5	6	18												
1/4"	ER 450	Fluid Cap FC2 & Air Cap AC1802				10	5.0	3.4	10	3.4	15	3.4	20	4.5	30	5.5	40	7.2	50	8.9	3	10	4	6	9	14				
						15		4.5	20	5.5	30	7.2	40	8.9	50	10.6	60	12.2	70	13.9	10	40	4	5	6	18				
						20		5.5	30	7.2	40	8.9	50	10.6	60	12.2	70	13.9	80	15.6	20	30	5	5	6	21				
						30		7.2	40	8.9	50	10.6	60	12.2	70	13.9	80	15.6	90	16.7	20	60	4	5	7	22				
			40	8.9	50	10.6		60	12.2	70	13.9	80	15.6	90	16.7	40	60	4	4	7	22									
			50	10.6	60	12.2	70	13.9	80	15.6	90	16.7	40	60	4	4	7	22												
			or	ER 550	Fluid Cap FC1 & Air Cap AC1802	15	10	4.5	20	5.5	30	7.2	40	8.9	50	10.6	60	12.2	70	13.9	10	60	6	6	10	22				
						20		5.5	30	7.2	40	8.9	50	10.6	60	12.2	70	13.9	80	15.6	20	40	5	6	7	22				
						30		7.2	40	8.9	50	10.6	60	12.2	70	13.9	80	15.6	90	16.7	20	60	5	5	7	22				
						40		8.9	50	10.6	60	12.2	70	13.9	80	15.6	90	16.7	40	60	5	5	6	22						
50	10.6	60				12.2		70	13.9	80	15.6	90	16.7	40	60	4	4	7	22											
60	12.2	70				13.9	80	15.6	90	16.7	40	60	4	4	7	22														
1/4"	ER 650	Fluid Cap FC8 & Air Cap AC1803				15	10	7.2	20	8.8	30	11.7	40	14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	8	17
						20		8.8	25	10.3	30	11.7	40	14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	8	22
						25		10.3	30	11.7	40	14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	8	22		
						30		11.7	40	14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	7	22				
			40	14.5	50	17.2		60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	8	22									
			50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	8	22												
			60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	6	8	22														
			70	22.5	80	25.2	90	27.9	30	20	5	6	8	22																
			80	25.2	90	27.9	30	20	5	6	8	22																		
			90	27.9	30	20	5	6	8	22																				
1/4"	ER 750	Fluid Cap FC9 & Air Cap AC1803	20	17	8.8	30	11.7	40	14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	6	6	9	19					
			30		11.7	40	14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	6	6	8	21							
			40		14.5	50	17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	6	7	7	22									
			50		17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	6	5	5	7	22										
			55		18.5	65	21.1	70	22.5	80	25.2	90	27.9	30	20	5	5	6	8	20										
			60	19.8	70	22.5	80	25.2	90	27.9	30	20	5	4	5	8	19													
			65	21.1	70	22.5	80	25.2	90	27.9	30	20	5	4	6	8	19													
			70	22.5	80	25.2	90	27.9	30	20	5	4	6	8	19															
			80	25.2	90	27.9	30	20	5	4	6	8	19																	
			90	27.9	30	20	5	4	6	8	19																			
1/4"	ER 850	Fluid Cap FC5 & Air Cap AC1803	40	25	14.5	55	18.5	65	21.1	70	22.5	80	25.2	90	27.9	30	20	80	4	5	7	20								
			50		17.2	60	19.8	70	22.5	80	25.2	90	27.9	30	20	80	4	5	7	18										
			55		18.5	65	21.1	70	22.5	80	25.2	90	27.9	30	20	80	4	6	18											
			60		19.8	70	22.5	80	25.2	90	27.9	30	20	80	4	4	6	18												
			65		21.1	70	22.5	80	25.2	90	27.9	30	20	80	4	4	6	18												
			70	22.5	80	25.2	90	27.9	30	20	80	4	4	6	18															
			80	25.2	90	27.9	30	20	80	4	4	6	18																	
			90	27.9	30	20	80	4	4	6	18																			
			100	30	20	80	4	4	6	18																				
			110	33	20	80	4	4	6	18																				

Round Spray External-Mix Air Atomizing Nozzles have the following features:

- Round Spray External-Mix Air Atomizing Nozzles spray narrow spray angle (10° to 30°)
- Liquid pressure principle with external mixing of fluids.
- Common Materials: 303 / 304SS, 316SS, Brass
- The spray is finely atomized , mist or fog spray
- Air and liquid pressure is usually 2 -3 bar.
- Adjustable flow rate allows different choices of capacities
- General Application :

Coating, cooling, humidifying

Gas cooling

Lubricating, moistening

Misting, fogging

Dust suppression