

**PERFORMANCE DATA:  
PRESSURE SPRAY SET-UPS | EXTERNAL MIX | VARIABLE SPRAY**

SUV spray set-ups provide uniform spray distribution even when spraying viscous liquids.

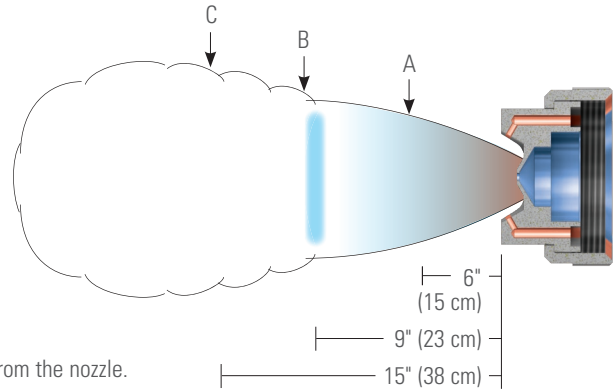
Liquid is supplied to this spray set-up under pressure.

The liquid and compressed air or gas are mixed externally to produce a completely atomized spray.

For external mix spray set-ups, atomization can be controlled by varying the air pressure without changing liquid flow rate.

Independent control of fan air provides the ability to adjust the spray pattern without changing liquid flow rate.

Spray coverage dimensions are provided in the table below at various distances from the nozzle.



Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Air Capacity*†			Liquid Capacity*†		Spray Coverage (cm) at Indicated Distance from Nozzle															
		Press.	Atomizing Air l/min	Fan Air l/min	Press.	Cap. l/h	Atom. Air Press.	Water Press.	Fan Air Pressure													
									0"†			0.3			0.7			1.5				
									A	B	C	A	B	C	A	B	C	A	B	C		
SUV67B	Fluid Cap VF1650 + Air Cap VA67255-60	.69	12.5	61	.21	2.8	1.5	.20	5.1	7.6	11.4	10.2	12.7	15.2	15.2	17.8	20	17.8	23	28		
		1.0	15.0	76			1.5	.70	5.1	6.4	10.2	12.7	17.8	25	17.8	22	30	20	25	36		
		1.4	17.6	93			2	.20	5.1	7.6	11.4	7.6	10.2	12.7	12.7	15.2	17.8	17.8	23	29		
		2.1	23	125	.34	3.6	2	.70	5.1	6.4	11.4	10.2	11.4	15.2	15.2	19.1	25	19.1	25	36		
		2.8	29	156			3	1.5	5.1	7.6	10.2	11.4	15.2	20	17.8	23	23	30	41			
		3.4	36	187	.69	5.1	3	.20	6.4	8.9	15.2	8.9	11.4	17.8	12.7	15.2	20	17.8	23	28		
		4.1	42	215			3	.70	5.1	7.6	12.7	10.2	12.7	19.1	15.2	17.8	25	19.1	23	23		
		4.8	48	244	1.0	6.3	6	1.5	5.1	7.6	11.4	10.2	14.0	20	15.2	20	30	23	28	36		
		5.5	55	272	1.4	7.3	6	.20	5.1	7.6	12.7	7.6	10.2	14.0	10.2	12.7	15.2	15.2	17.8	23		
		6.2	61	301			6	.70	6.4	7.6	12.7	7.6	10.2	15.2	10.2	12.7	17.8	15.2	20	28		
		SUV67A	Fluid Cap VF2050 + Air Cap VA67255-60	.69	12.5	61	.21	4.2	1.5	.20	5.1	7.6	11.4	12.7	15.2	19.1	15.2	17.8	20	19.1	24	30
				1.0	15.0	76			1.5	.70	5.1	7.6	11.4	12.7	17.8	25	20	25	36	23	30	41
1.4	17.6			93	.34	5.5	2	1.5	5.1	7.6	10.2	15.2	20	23	28	38	25	33	43			
2.1	23			125			2	.70	5.1	7.6	12.7	10.2	15.2	20	17.8	23	30	23	30	41		
2.8	29			156	.69	7.8	3	1.5	5.1	7.6	10.2	12.7	15.2	23	17.8	25	33	25	33	46		
3.4	36			187			3	.20	6.4	8.9	14.0	8.9	12.7	17.8	12.7	16.5	23	19.1	23	28		
4.1	42			215	1.0	9.5	3	.70	5.1	7.6	12.7	10.2	14.0	20	16.5	19.1	16.5	20	25	38		
4.8	48			244	1.4	11.1	6	1.5	5.1	7.6	11.4	10.2	15.2	22	16.5	22	32	24	30	39		
5.5	55			272			6	.20	6.4	8.9	12.7	7.6	11.4	15.2	10.2	14.0	16.5	17.8	23	30		
6.2	61			301			6	.70	6.4	8.9	12.7	8.9	11.4	16.5	11.4	15.2	20	20	25	36		
SUV67	Fluid Cap VF2850 + Air Cap VA67255-60			.69	12.5	61	.21	8.1	1.5	.20	6.4	7.6	11.4	15.2	17.8	23	19.1	23	28	20	25	33
				1.0	15.0	76			1.5	.70	5.1	7.6	12.7	15.2	20	28	23	28	38	30	38	48
		1.4	17.6	93	.34	10.5	2	1.5	5.1	6.4	10.2	17.8	23	30	25	30	43	33	43	51		
		2.1	23	125			2	.20	6.4	7.6	11.4	12.7	15.2	20	15.2	20	23	20	25	33		
		2.8	29	156	.69	15.0	3	1.5	5.1	6.4	10.2	12.7	17.8	25	20	28	36	28	36	48		
		3.4	36	187			3	.20	6.4	8.9	12.7	10.2	12.7	19.1	12.7	17.8	25	20	23	28		
		4.1	42	215	1.0	18.4	3	.70	5.1	7.6	12.7	11.4	14.0	20	17.8	20	28	23	30	41		
		4.8	48	244	1.4	21	6	1.5	5.1	7.6	12.7	11.4	15.2	23	17.8	23	34	25	33	43		
		5.5	55	272			6	.20	6.4	8.9	12.7	8.9	12.7	15.2	11.4	15.2	17.8	15.2	20	28		
		6.2	61	301			6	.70	6.4	8.9	12.7	10.2	14.0	17.8	12.7	17.8	23	17.8	23	33		
								1.5	6.4	7.6	11.4	8.9	12.7	16.5	12.7	17.8	23	17.8	25	36		

\*At the stated pressure in bar

Anti-bearding set-ups are available to reduce nozzle build-up and maintenance time for select external mix air atomizing nozzles. For more information, call 1.630.665.5000.



PERFORMANCE DATA:  
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Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Air Capacity*†			Liquid Capacity*†		Spray Coverage (cm) at Indicated Distance from Nozzle																
		Press.	Atomizing Air l/min	Fan Air l/min	Press.	Cap. l/h	Atom. Air Press.	Water Press.	Fan Air Pressure														
									0"†			0.3			0.7			1.5					
									A	B	C	A	B	C	A	B	C	A	B	C			
SUV113A	Fluid Cap VF3578 + Air Cap VA113293-60	.69	44	100	.21	13.6	1.5	.20	6.4	7.6	12.7	8.9	11.4	15.2	15.2	17.8	23	25	33	41			
		1.0	55	126	.34	17.6		.70	6.4	8.9	12.7	8.9	11.4	17.8	15.2	23	30	28	38	51			
		1.4	67	151				1.5	5.1	7.6	12.7	8.9	11.4	20	15.2	20	28	28	38	53			
		2.1	90	203			2	.20	6.4	7.6	12.7	7.6	10.2	14.0	10.2	12.7	17.8	17.8	23	30			
		2.8	113	253	.70	6.4		8.9	12.7	8.9	11.4	15.2	12.7	17.8	23	20	28	38					
		3.4	134	300	1.5	6.4		8.9	14.0	7.6	12.7	17.8	10.2	15.2	23	20	30	41					
		4.1	156	348	.69	25	3	.20	6.4	7.6	12.7	7.6	10.2	15.2	8.9	11.4	16.5	15.2	20	25			
		4.8	179	396				.70	6.4	8.9	12.7	8.9	10.2	15.2	10.2	12.7	16.5	15.2	23	30			
		5.5	198	439				1.5	6.4	8.9	12.7	8.9	11.4	16.5	10.2	14.0	20	17.8	25	36			
		6.2	219	487	1.0	30	6	.20	6.4	8.9	12.7	6.4	8.9	12.7	6.4	8.9	12.7	10.2	12.7	15.2			
		1.4	35	.70				6.4	8.9	12.7	6.4	10.2	14.0	7.6	10.2	15.2	10.2	15.2	20				
				1.5				6.4	8.9	12.7	7.6	10.2	15.2	7.6	10.2	16.5	11.4	15.2	23				
				1.5	6.4	8.9	12.7	8.9	11.4	16.5	10.2	14.0	20	17.8	25	36							
		SUV113	Fluid Cap VF4078 + Air Cap VA113293-60	.69	44	100	.21	18.4	1.5	.20	6.4	8.9	15.2	7.6	11.4	15.2	20	25	25	36	46		
				1.0	55	126	.34	24		.70	6.4	8.9	12.7	10.2	12.7	17.8	17.8	23	30	28	38	53	
1.4	67			151	1.5	5.1				7.6	12.7	8.9	11.4	16.5	15.2	23	30	28	38	48			
2.1	90			203	2	.20			6.4	8.9	15.2	7.6	10.2	15.2	10.2	15.2	20	20	28	36			
2.8	113			253		.70	6.4	8.9	12.7	7.6	10.2	15.2	11.4	15.2	20	23	28	43					
3.4	134			300		1.5	5.1	7.6	12.7	7.6	11.4	15.2	11.4	15.2	23	23	30	43					
4.1	156			348	.69	34	3	.20	6.4	8.9	15.2	7.6	10.2	16.5	8.9	12.7	17.8	16.5	23	28			
4.8	179			396				.70	6.4	8.9	14.0	7.6	11.4	17.8	10.2	15.2	20	17.8	25	33			
5.5	198			439				1.5	6.4	8.9	14.0	7.6	10.2	17.8	8.9	12.7	20	17.8	25	33			
6.2	219			487	1.0	42	6	.20	6.4	8.9	15.2	6.4	8.9	15.2	6.4	10.2	15.2	10.2	12.7	19.1			
1.4	48			.70				5.1	7.6	12.7	6.4	7.6	14.0	6.4	8.9	14.0	10.2	15.2	20				
				1.5				5.1	7.6	15.2	6.4	8.9	15.2	7.6	10.2	15.2	11.4	15.2	19.1				
				.20	7.6	10.2	12.7	7.6	10.2	15.2	12.7	17.8	23	23	30	41							
SUV128	Fluid Cap VF60100 + Air Cap VA1282125-60			.69	46	110	.21	38	1.5	.70	-	-	-	7.6	12.7	15.2	12.7	17.8	25	20	30	41	
				1.0	56	139	.34	49		1.5	-	-	-	-	-	-	-	-	-	-	-	-	
		1.4	67	168	.20	7.6				10.2	12.7	8.9	11.4	16.5	10.2	15.2	20	15.2	20	28			
		2.1	88	229	.70	6.4			8.9	12.7	7.6	10.2	14.0	10.2	15.2	22	17.8	23	38				
		2.8	110	289	.69	70	2	1.5	-	-	-	-	-	-	-	-	-	-	-				
		3.4	132	348				.20	7.6	10.2	14.0	7.6	11.4	15.2	8.9	12.7	17.8	15.2	20	28			
		4.1	153	405				.70	6.4	8.9	12.7	8.9	11.4	15.2	10.2	12.7	17.8	15.2	20	27			
		4.8	176	462	1.0	86	3	1.5	6.4	8.9	12.7	7.6	10.2	16.5	7.6	12.7	20	15.2	20	28			
		5.5	198	515				.20	7.6	10.2	15.2	7.6	10.2	15.2	7.6	10.2	15.2	10.2	12.7	17.8			
		6.2	221	566				.70	7.6	10.2	15.2	7.6	10.2	15.2	7.6	10.2	15.2	10.2	15.2	20			
		SUV152	Fluid Cap VF80125 + Air Cap VA1522125-60	.69	50	109	.21	69	1.5	.20	7.6	10.2	12.7	11.4	15.2	22	15.2	20	28	25	30	43	
				1.0	62	136	.34	89		.70	-	-	-	-	-	-	-	-	-	-	25	36	43
				1.4	75	165				1.5	-	-	-	-	-	-	-	-	-	-	-	-	
				2.1	101	221			.20	7.6	10.2	12.7	8.9	12.7	17.8	12.7	16.5	23	20	28	38		
				2.8	125	277	.69	126	2	.70	-	-	-	-	-	-	-	-	-	-	-		
3.4	150			331	.20	7.6				10.2	14.0	10.2	12.7	17.8	12.7	15.2	23	17.8	23	30			
4.1	174			385	.70	7.6				8.9	12.7	8.9	11.4	15.2	11.4	14.0	19.1	15.2	23	30			
4.8	198			436	1.0	155	3	1.5	-	-	-	-	-	-	-	-	-	-	-				
5.5	221			487				.20	7.6	10.2	15.2	8.9	11.4	16.5	10.2	12.7	17.8	12.7	15.2	23			
6.2	244			532				.70	8.9	10.2	14.0	8.9	11.4	16.5	8.9	12.7	19.1	12.7	15.2	23			
1.4	179			6	.20	7.6	10.2	15.2	8.9	11.4	16.5	10.2	8.9	11.4	17.8	10.2	15.2	20					
					.70	8.9	10.2	14.0	8.9	11.4	16.5	8.9	12.7	19.1	12.7	15.2	23						
					1.5	6.4	8.9	11.4	7.6	10.2	15.2	8.9	11.4	17.8	10.2	15.2	20						

\*At the stated pressure in bar

† Since the pressures of the air and liquid lines are independently controlled, any combination of these air and liquid pressures can be used. The total air capacity is the sum of the atomizing air l/min and the fan air l/min. For instance, for atomizing air at 1 bar and fan air at 2.1 bar, the total is equal to 15 l/min + 125 l/min for a total of 140 l/min.

†† At 0 bar fan air pressure the spray forms a round spray pattern. Request Data Sheets 37459M-V113A, 37459M-V113, 37459M-V128 and 37459M-V152.

Spray set-ups are interchangeable, but each set-up uses a different needle size.

Anti-bearding set-ups are available to reduce nozzle build-up and maintenance time for select external mix air atomizing nozzles. For more information, call 1.630.665.5000.



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