

# PRESSURE SPRAY SET-UPS, EXTERNAL MIX, 1/8D AND 1/4D SERIES

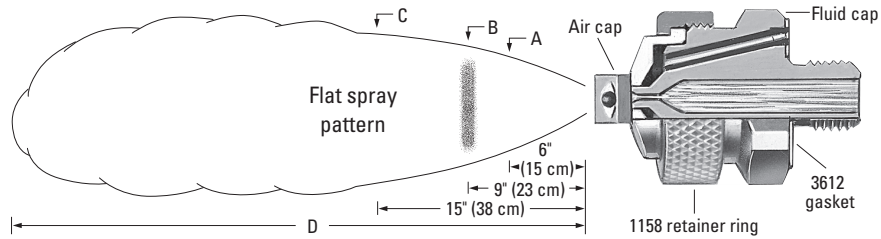
## AIR CAPS



External mix air caps produce a flat spray pattern.

## FEATURES AND BENEFITS

- Atomization can be controlled by varying the air pressure without changing liquid flow rates with external mix set-ups.
- For flat spray, dimensions "A", "B" and "C" are the pattern widths at distances from the nozzle.
- The total distance of spray projection from the nozzle to the maximum dispersal point is represented by "D".
- When using a pressure-fed liquid system, the liquid is supplied to the nozzle under pressure.
- The liquid and compressed air or gas are mixed externally to produce a completely atomized spray.



1158 retainer ring and 3612 gasket must be ordered separately from the spray set-up, but are included in the standard nozzle assembly. Please contact your sales engineer.

## PERFORMANCE DATA

### FLAT SPRAY (EXTERNAL MIX)

\*At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*														Spray Dimensions						
		Liquid Pressure																				
		0.2			0.3			0.7			1.5			3			Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)
		Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min						
SUE15B	Fluid Cap 1650 + Air Cap 67228-45°	.20	2.8	25.2	3.5	3.5	26.3	.70	5.3	31.2	1.4	7.8	45.3	2.8	11.0	73.6	.20	.20	9.0	15.0	23	.90
		.35	2.8	26.3	.70	3.5	31.2	1.05	5.3	39.6	1.75	7.8	53.8	3.5	11.0	85	1.05	.20	9.0	15.0	23	1.2
		.70	2.8	31.2	1.05	3.5	39.6	1.4	5.3	45.3	2.1	7.8	59.5	4.2	11.0	102	1.4	.35	10.0	15.0	23	1.2
		1.05	2.8	39.6	1.4	3.5	45.3	1.75	5.3	53.8	2.8	7.8	73.6	4.9	11.0	119	1.4	1.4	11.5	18.0	25	1.5
		1.4	2.8	45.3	1.75	3.5	53.8	2.1	5.3	59.4	3.5	7.8	85	5.3	11.0	127.5	1.75	.70	11.5	15.0	24	1.5
		1.75	2.8	53.8	2.1	3.5	59.4	2.8	5.3	73.6	4.2	7.8	102	5.6	11.0	139	2.8	1.4	13.0	18.0	28	1.8
		2.1	2.8	59.4	2.8	3.5	73.6	3.5	5.3	85	5.6	7.8	139	6.3	11.0	159	4.9	2.8	15.0	18.0	24	2.4

Add DF to part number for "Drip Free™" set-ups. Example: SU11DF.

# PRESSURE SPRAY SET-UPS, EXTERNAL MIX, 1/8D AND 1/4D SERIES



AIR ATOMIZING NOZZLES

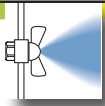
## PERFORMANCE DATA

### FLAT SPRAY (EXTERNAL MIX)

\*At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*															Spray Dimensions						
		Liquid Pressure																					
		0.2			0.3			0.7			1.5			3			Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)	
		Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min							
SUE18B	Fluid Cap 1650 + Air Cap 62240-60°	.35	2.8	22	.35	3.5	22	.40	5.3	25	.60	7.8	28	.70	11.0	34	.40	.30	20	28	33	1.2	
		.40	2.8	25	.40	3.5	25	.60	5.3	28	.70	7.8	34	1.1	11.0	45	.60	.70	23	30	40	1.8	
		.50	2.8	27.5	.60	3.5	28	.70	5.3	34	1.1	7.8	45	1.8	11.0	62	1.1	1.5	28	33	43	2.4	
		.60	2.8	28	.70	3.5	34	.85	5.3	40	1.4	7.8	54	2.5	11.0	79	1.4	2.0	28	35	48	2.6	
																		1.4	3.0	30	38	51	2.7
SUE15A	Fluid Cap 2050 + Air Cap 67228-45°	.35	4.5	26.3	.70	5.5	31.2	1.05	8.3	39.6	1.75	12.2	53.8	3.15	16.6	82	.35	.20	7.5	14.0	22	1.0	
		.70	4.5	31.2	1.05	5.5	39.6	1.4	8.3	45.3	2.1	12.2	59.4	3.5	16.6	85	1.4	.20	9.0	15.0	22	1.7	
		1.05	4.5	39.6	1.4	5.5	45.3	1.75	8.3	53.8	2.8	12.2	73.6	4.2	16.6	102	1.75	.35	10.0	16.5	23	1.8	
		1.4	4.5	45.3	1.75	5.5	53.8	2.1	8.3	59.4	3.5	12.2	85	4.9	16.6	119	1.75	1.4	13.0	19.0	29	2.1	
		1.75	4.5	53.8	2.1	5.5	59.4	2.8	8.3	73.6	4.2	12.2	102	5.25	16.6	127	2.1	.70	13.0	18.0	25	1.8	
		2.1	4.5	59.4	2.8	5.5	73.6	3.5	8.3	85	4.9	12.2	119	6.3	16.6	159	3.5	1.4	13.0	22	30	2.4	
		2.8	4.5	73.6	3.5	5.5	85	4.2	8.3	102	6.3	12.2	159	6.7	16.6	164	5.3	2.8	15.0	19.0	25	3.0	
SUE18A	Fluid Cap 2050 + Air Cap 62240-60°	.35	4.5	22	.35	5.5	22	.60	8.3	28	.70	12.2	34	1.1	16.6	45	.70	.30	28	33	40	1.5	
		.60	4.5	28	.70	5.5	34	.70	8.3	34	1.4	12.2	54	1.4	16.6	54	1.1	.70	30	38	48	2.1	
		.70	4.5	34	1.1	5.5	45	1.4	8.3	54	2.1	12.2	71	2.1	16.6	71	.70	1.5	38	46	58	1.8	
																		1.4	1.5	35	43	56	2.4
																		2.5	1.5	33	40	51	3.0
SUE15	Fluid Cap 2850 + Air Cap 67228-45°	.70	8.5	31.2	1.05	10.4	39.6	1.4	15.9	45.3	2.5	23	68	3.5	33	85	.70	.20	13.0	16.5	25	1.2	
		1.05	8.5	39.6	1.4	10.4	45.3	1.75	15.9	53.8	2.8	23	73.6	4.2	33	102	1.75	.20	13.0	16.5	25	1.8	
		1.4	8.5	45.3	1.75	10.4	53.8	2.1	15.9	59.4	3.5	23	85	4.9	33	119	2.1	.35	13.0	18.0	24	1.8	
		1.75	8.5	53.8	2.1	10.4	59.4	2.8	15.9	73.6	4.2	23	102	5.3	33	127	2.5	1.4	14.0	20	32	1.8	
		2.1	8.5	59.4	2.8	10.4	73.6	3.5	15.9	85.0	4.9	23	119	5.6	33	139	2.8	.70	14.0	19.0	30	2.3	
		2.8	8.5	73.6	3.5	10.4	85	4.2	15.9	102	5.6	23	139	6.3	33	159	4.2	1.4	14.0	20	36	3.0	
		3.5	8.5	85	4.2	10.4	102	4.9	15.9	119	6.3	23	159	7.0	33	176	5.3	2.8	16.5	20	30	4.0	
SUE18	Fluid Cap 2850 + Air Cap 62240-60°	.40	8.5	25	.40	10.4	25	.40	15.9	25	.70	23	34	1.4	33	54	.60	.30	35	48	61	1.8	
		.50	8.5	27.5	.60	10.4	28	.60	15.9	28	.85	23	40	1.8	33	62	.60	.70	35	48	63	1.5	
		.60	8.5	28	.65	10.4	31	.70	15.9	34	1.1	23	45	2.1	33	71	.70	1.5	38	48	63	1.8	
																		1.1	1.5	41	51	66	2.1
																		1.4	1.5	43	53	66	2.4
																1.8	2.0	41	51	69	2.7		
																2.1	3.0	41	51	69	2.9		

Add DF to part number for "Drip Free™" set-ups. Example: SU11DF



# PRESSURE SPRAY SET-UPS, EXTERNAL MIX, 1/8D AND 1/4D SERIES

## PERFORMANCE DATA

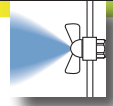
### FLAT SPRAY (EXTERNAL MIX)

\*At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*															Spray Dimensions					
		Liquid Pressure																				
		0.2			0.3			0.7			1.5			3			Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)
		Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min						
SUE25B	Fluid Cap 35100 + Air Cap 134255-45°	.70	13.4	85	1.0	16.4	102	1.4	25	116	2.5	37	178	3.2	52	212	.70	.20	13.0	19.0	25	1.7
		1.0	13.4	102	1.4	16.4	116	1.8	25	139	2.8	37	195	3.5	52	232	1.8	.20	13.0	19.0	25	2.7
		1.4	13.4	116	1.8	16.4	139	2.1	25	156	3.5	37	227	3.9	52	255	2.1	.35	15.0	19.0	28	3.0
		1.8	13.4	139	2.1	16.4	156	2.5	25	178	4.2	37	266	4.2	52	275	2.5	.70	15.0	22	28	3.5
		2.1	13.4	156	2.8	16.4	195	2.8	25	195	4.9	37	312	4.9	52	314	2.5	1.4	16.5	23	36	3.7
		2.8	13.4	195	3.5	16.4	227	3.5	25	227	5.6	37	360	5.6	52	360	4.2	1.4	16.5	23	37	4.3
		3.5	13.4	227	4.2	16.4	266	4.2	25	266	6.3	37	411	6.3	52	411	4.9	2.8	16.5	22	32	4.9
SUE28B	Fluid Cap 35100 + Air Cap 122281-60°	.60	13.4	91	.70	16.4	102	1.4	25	156	2.1	37	210	3.2	52	285	1.4	.30	33	38	48	3.8
		2.1	.70	33	40	56	4.3															
		.70	13.4	102	1.1	16.4	130	2.1	25	210	2.8	37	260	4.2	52	360	2.1	1.5	35	46	58	4.0
		1.1	13.4	130	1.8	16.4	184	2.5	25	235	3.5	37	310	5.3	52	430	3.2	1.5	38	48	66	4.6
		1.4	13.4	156	2.1	16.4	210	2.8	25	260	4.2	37	360	5.6	52	455	4.2	1.5	38	48	64	5.2
		3.9	2.0	41	51	69	4.6															
4.2	3.0	38	51	71	4.9																	
SUE25A	Fluid Cap 40100 + Air Cap 134255-45°	.70	17.6	85	1.4	22	116	1.8	33	139	2.8	48	195	3.5	68	232	.70	.35	15.0	19.0	27	2.1
		1.0	17.6	102	1.8	22	139	2.1	33	156	3.2	48	212	4.2	68	275	1.8	.70	15.0	19.0	27	3.0
		1.4	17.6	116	2.1	22	156	2.5	33	178	3.5	48	227	4.9	68	314	2.5	1.4	15.0	22	33	3.4
		1.8	17.6	139	2.5	22	178	2.8	33	195	4.2	48	266	5.3	68	340	2.8	1.4	15.0	22	36	3.8
		2.1	17.6	156	2.8	22	195	3.5	33	227	4.9	48	312	5.6	68	360	2.8	1.4	16.5	25	37	4.0
		2.8	17.6	195	3.5	22	227	4.2	33	266	5.6	48	360	6.3	68	411	4.2	2.1	16.5	25	37	4.9
		3.5	17.6	227	4.2	22	266	4.9	33	312	6.3	48	411	6.6	68	428	5.3	2.8	18.0	23	36	5.8
SUE28A	Fluid Cap 40100 + Air Cap 122281-60°	.60	17.6	91	.70	22	102	1.1	33	130	2.5	48	235	3.5	68	310	1.1	.20	33	38	51	3.5
		1.8	.70	35	48	64	3.0															
		1.1	17.6	130	1.4	22	156	1.8	33	184	3.2	48	285	4.6	68	380	2.5	1.5	38	46	64	3.8
		1.4	17.6	156	1.8	22	184	2.5	33	235	3.9	48	330	6.0	68	475	3.2	1.5	33	43	61	4.3
		4.2	1.5	30	43	58	4.9															
4.2	2.0	33	43	61	5.2																	
4.9	3.0	33	43	61	4.0																	
SUE28	Fluid Cap 60100 + Air Cap 122281-60°	.70	36	102	1.1	45	130	1.8	68	184	3.2	100	285	5.3	141	430	2.1	.30	40	56	76	3.0
		2.8	.70	46	58	81	4.0															
		1.1	36	130	1.4	45	156	2.1	68	210	3.5	100	310	6.0	141	475	3.2	1.5	48	58	79	4.3
		1.4	36	156	2.1	45	210	2.8	68	260	4.9	100	405	6.7	141	525	4.6	1.5	43	53	76	4.9
		5.6	1.5	38	51	66	5.8															
3.9	2.0	48	64	84	4.3																	
6.3	3.0	41	56	79	5.8																	

Add DF to part number for "Drip Free™" set-ups. Example: SU11DF.

# PRESSURE SPRAY SET-UPS, EXTERNAL MIX, 1/8D AND 1/4D SERIES



## PERFORMANCE DATA

### FLAT SPRAY (EXTERNAL MIX)

\*At the stated pressure in bar.

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Liquid Capacity (liters per hour)* and Air Capacity (liters per minute)*															Spray Dimensions					
		Liquid Pressure																				
		0.2			0.3			0.7			1.5			3			Air*	Liquid*	A (cm)	B (cm)	C (cm)	D (m)
		Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min	Air Press.	l/h	Air l/min						
SUE25	Fluid Cap 60100 + Air Cap 134255-45°	1.0	36	102	1.8	45	139	2.5	68	178	3.2	100	212	3.9	141	255	1.0	.20	15.0	20	25	2.7
		1.4	36	116	2.1	45	156	2.8	68	195	3.5	100	227	4.2	141	275	2.1	.20	15.0	22	29	3.0
		1.8	36	139	2.5	45	178	3.2	68	212	3.9	100	246	4.6	141	297	2.8	.35	18.0	24	36	3.5
		2.1	36	156	2.8	45	195	3.5	68	227	4.2	100	266	4.9	141	314	3.2	1.4	20	28	39	3.7
		2.5	36	178	3.2	45	212	4.2	68	266	4.9	100	312	5.6	141	360	3.5	.70	19.0	27	38	4.0
		2.8	36	195	3.5	45	227	4.9	68	312	5.6	100	360	6.3	141	411	4.2	1.4	20	28	39	4.3
		3.5	36	227	4.2	45	266	5.6	68	360	6.3	100	411	7.0	141	453	5.6	2.8	18.0	24	38	5.9
SUE45B	Fluid Cap 60150 + Air Cap 200278-45°	1.8	36	235	1.8	45	235	2.5	68	300	3.9	100	410	-	-	-	1.8	.20	15.0	20	29	3.0
		2.1	36	260	2.1	45	260	2.8	68	330	4.2	100	445	-	-	-	2.8	.20	15.0	20	30	3.4
		2.5	36	300	2.5	45	300	3.2	68	355	4.6	100	480	-	-	-	2.8	.30	15.0	20	30	4.0
		2.8	36	330	2.8	45	330	3.5	68	380	4.9	100	529	-	-	-	3.5	.70	17.0	22	32	4.3
		3.2	36	355	3.2	45	355	3.9	68	410	5.3	100	565	-	-	-	3.9	1.5	17.0	22	34	4.6
		3.5	36	380	3.5	45	380	4.2	68	445	5.6	100	600	-	-	-	4.2	1.0	17.0	23	33	4.7
SUE45A	Fluid Cap 80150 + Air Cap 200278-45°	2.1	64	260	2.8	78	330	3.9	119	410	4.9	175	520	-	-	-	2.1	.20	17.0	24	34	3.5
		2.5	64	300	3.2	78	355	4.2	119	445	5.3	175	565	-	-	-	3.2	.20	18.0	24	36	4.3
		2.8	64	330	3.5	78	380	4.6	119	480	5.6	175	600	-	-	-	3.9	.30	18.0	25	36	4.9
		3.2	64	355	3.9	78	410	4.9	119	520	6.0	175	640	-	-	-	4.9	.70	18.0	25	36	5.5
		3.5	64	380	4.2	78	445	5.3	119	565	6.3	175	685	-	-	-	4.9	1.5	20	25	38	5.5
		4.2	64	445	4.9	78	520	5.6	119	600	-	175	-	-	-	-	5.3	1.0	18.0	25	38	5.8
		4.9	64	520	5.6	78	600	6.3	119	685	-	175	-	-	-	-	5.6	1.5	20	25	38	6.1
SUE45	Fluid Cap 100150 + Air Cap 200278-45°	2.8	102	330	3.5	125	380	4.6	192	480	5.6	280	600	-	-	-	2.8	.20	19.0	25	36	4.6
		3.2	102	355	3.9	125	410	4.9	192	520	6.0	280	640	-	-	-	3.9	.20	20	25	37	4.9
		3.5	102	380	4.2	125	445	5.3	192	565	6.3	280	685	-	-	-	4.6	.30	20	25	37	5.2
		3.9	102	410	4.6	125	480	5.6	192	600	-	280	-	-	-	-	5.3	.70	22	27	38	5.5
		4.2	102	445	4.9	125	520	6.0	192	640	-	280	-	-	-	-	5.6	1.0	22	27	41	5.5
		4.6	102	480	5.3	125	565	6.3	192	685	-	280	-	-	-	-	5.6	1.5	22	27	41	5.8
		4.9	102	520	5.6	125	600	-	192	-	-	280	-	-	-	-	6.0	1.5	22	27	41	6.1

Add DF to part number for "Drip Free™" set-ups. Example: SU11DF.