



# Air Atomizing Nozzles • 1/4JAU Pressure Set-ups Siphon/Gravity-Fed — Drip Free™

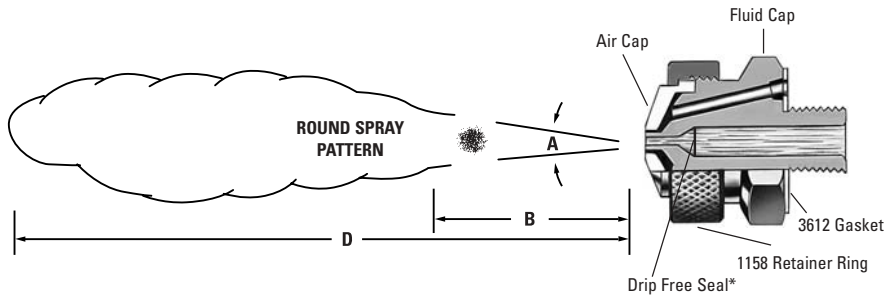
**AIR ATOMIZING NOZZLES**

## AIR CAPS



### Round Spray and Flat Spray Air Caps

Air Caps used in these Drip Free spray set-ups produce round spray and flat spray patterns.



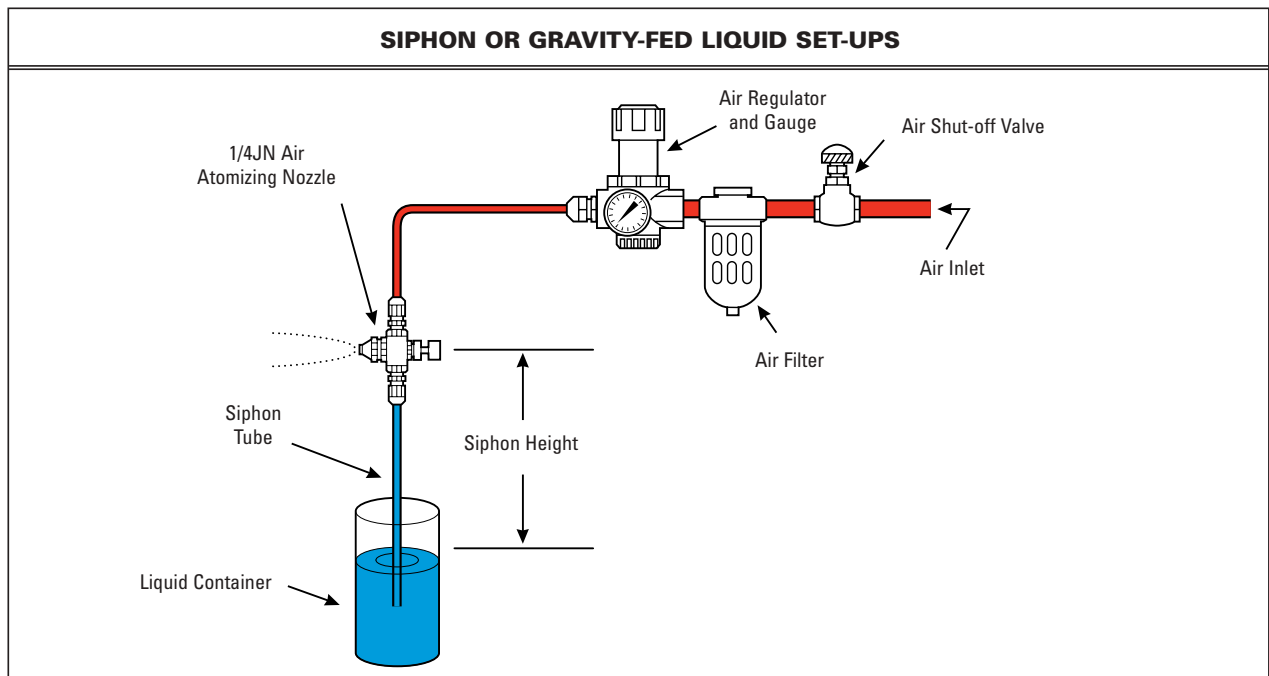
Note: The No. 1158 Retainer Ring and No. 3612 Gasket must be ordered separately from the spray set-up, but are included in the standard nozzle assembly. Please contact your sales engineer.  
\* Patent Pending

## DESIGN FEATURES

For the round and flat sprays, angle "A" is maintained throughout distance "B". Beyond "B", the spray becomes turbulent and will project out to distance "D".

When using a Siphon or Gravity-Fed Liquid System, the liquid is supplied by either a liquid siphon or gravity-fed. These unique Drip Free set-ups are

designed to draw liquid through the feed line into the air flow where it is atomized.



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# Air Atomizing Nozzles • 1/4JAU Pressure Set-ups Siphon/Gravity-Fed — Drip Free™



AIR ATOMIZING NOZZLES

## PERFORMANCE DATA

### ROUND SPRAY

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Atomizing Air		Liquid Capacity (liters per hour)								Spray Dimensions at 20 cm Siphon Height			
		Air Press. bar	Air Capacity l/min	Gravity Head			Siphon Height					Air bar	Spray Angle A	B (cm)	D (m)
				45 (cm)	30 (cm)	15 (cm)	10 (cm)	20 (cm)	30 (cm)	60 (cm)	90 (cm)				
SU1ADF	Fluid Cap 1650DF + Air Cap 64	.70	11.3	1.5	1.3	1.1	.87	.68	.53	—	—	.70	18°	28	1.8
		1.5	17.0	1.8	1.7	1.5	1.3	1.2	1.1	.62	—	1.5	18°	28	1.9
		3.0	28	2.1	1.9	1.7	1.5	1.4	1.3	1.1	.76	3.0	18°	30	2.3
		4.0	36	2.2	2.0	1.8	1.6	1.5	1.4	1.2	.87	4.0	18°	36	2.6
SU1DF	Fluid Cap 2050DF + Air Cap 64	.70	13.3	2.4	2.1	1.7	1.5	1.2	.79	—	—	.70	18°	30	2.1
		1.5	20	2.8	2.6	2.4	2.1	1.9	1.6	.91	—	1.5	18°	33	2.3
		3.0	32	3.4	3.1	2.9	2.8	2.6	2.4	1.7	1.1	3.0	18°	38	2.6
		4.0	41	3.7	3.4	3.3	3.1	2.9	2.7	2.1	1.5	4.0	19°	43	3.0
SU2ADF	Fluid Cap 2050DF + Air Cap 70	.70	23	2.5	2.3	2.0	1.6	1.4	1.1	—	—	.70	18°	30	2.4
		1.5	36	2.9	2.8	2.5	2.2	2.0	1.7	.89	—	1.5	18°	33	2.7
		3.0	58	3.4	3.3	3.2	2.9	2.8	2.5	1.9	1.2	3.0	19°	38	3.4
		4.0	74	3.7	3.6	3.5	3.4	3.3	3.0	2.5	2.0	4.0	20°	43	4.0
SU2DF	Fluid Cap 2850DF + Air Cap 70	.70	19.3	4.5	4.0	3.4	2.1	1.8	1.4	—	—	.70	21°	38	3.0
		1.5	31	5.3	4.9	4.4	3.5	2.9	2.7	1.8	—	1.5	21°	41	3.4
		3.0	50	6.0	5.6	5.0	4.4	4.0	3.4	2.4	1.2	3.0	21°	46	4.0
		4.0	65	5.7	5.4	5.0	4.2	3.9	3.5	2.8	1.9	4.0	22°	51	4.6
SU4DF	Fluid Cap 60100DF + Air Cap 120	1.5	58	22	19.9	16.3	12.3	10.5	8.3	2.8	—	1.5	17°	46	3.7
		3.0	88	25	23	19.5	16.7	14.2	11.5	6.4	2.8	3.0	18°	51	4.3
		4.0	111	26	24	21	18.4	15.7	12.9	7.9	4.5	4.0	18°	53	4.9
		5.6	147	26	24	22	19.7	17.0	14.6	9.8	6.1	5.6	19°	58	5.5
SU5*	Fluid Cap 100150 + Air Cap 180	2.0	144	—	—	—	27	22	16.8	—	—	2.0	20°	51	6.7
		3.0	190	—	—	—	30	26	21	—	—	3.0	20°	53	7.0
		4.0	240	—	43	40	31	28	23	11.0	—	4.0	21°	58	7.6
		5.6	315	44	42	39	31	28	24	16.7	8.3	5.6	22°	63	8.2

\* Set-ups with 100150 Fluid Cap are not available in Drip Free.



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## PERFORMANCE DATA

### FLAT SPRAY

Spray Set-up No.	Spray Set-up Consists of Fluid and Air Cap Combination	Atomizing Air		Liquid Capacity (liters per hour)								Spray Dimensions at 20 cm Siphon Height				
		Air Press. bar	Air Capacity l/min	Gravity Head			Siphon Height					Air bar	A (cm)	B (cm)	C (cm)	D (m)
				45 (cm)	30 (cm)	15 (cm)	10 (cm)	20 (cm)	30 (cm)	60 (cm)	90 (cm)					
SUF1DF	Fluid Cap 2850DF + Air Cap 73420	.70	28	1.3	1.2	1.1	1.0	.95	.83	.64	.49	.70	20	26	38	2.1
		1.5	43	1.2	1.1	1.0	.90	.86	.78	.66	.54	1.5	21	29	38	2.1
		2.0	50	.82	.76	.68	.57	.50	—	—	—	2.0	23	30	38	1.8
SUF2CDF	Fluid Cap 35100DF + Air Cap 120432	1.5	56	3.7	3.5	3.3	2.9	2.8	2.5	2.3	2.1	1.5	23	32	38	2.7
		2.0	65	3.4	3.3	3.1	2.8	2.7	2.6	2.4	2.2	2.0	24	34	42	2.7
		3.0	87	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.7	3.0	27	37	46	3.0
		4.0	110	1.9	1.8	1.6	1.5	1.3	1.2	—	—	4.0	28	39	48	2.7
SUF3B	Fluid Cap 40100DF + Air Cap 122435	1.5	68	5.1	4.8	4.5	3.8	3.7	3.5	3.0	2.4	1.5	19	23	27	3.4
		2.0	78	4.9	4.7	4.4	3.6	3.4	3.2	2.9	2.3	2.0	20	25	28	3.4
		3.0	103	3.4	3.2	3.0	2.2	2.0	1.7	—	—	3.0	22	27	30	3.0
		3.5	117	2.2	2.0	1.7	—	—	—	—	—	—	—	—	—	—
SUF4B	Fluid Cap 40100DF + Air Cap 122440	1.5	63	7.6	7.2	6.6	5.7	5.4	5.1	4.6	3.7	1.5	17	22	27	3.4
		2.0	73	7.6	7.3	6.8	5.9	5.7	5.5	5.0	4.2	2.0	18	23	29	3.4
		3.0	96	6.4	6.1	5.7	5.0	4.5	4.1	3.3	—	3.0	20	27	33	3.4
		3.5	110	4.2	3.7	3.2	2.6	—	—	—	—	—	—	—	—	—



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