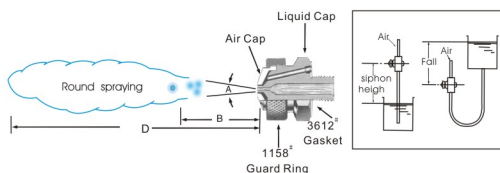


# Siphon Gravity-Fed Air Atomizing Nozzle

## Design features

For those nozzle of round and flat spray pattern, the spray can maintain the spray angle of A when it is within the distance of B. If beyond the distance of B, the spray would turn to torrent, and jet to the distance of D.

When using siphon or gravity-fed fluid system, it can be supplied to the fluid by siphon or gravity-fed. In these devices, the fluid is absorbed and sent to the gas stream through conveyer where it is atomized in the gas stream.



The air cap of round or flat fan pattern produces round or flat fan pattern spraying.

\* No. 1158 and No.3162 gaskets should be ordered separately from the spray device, but they are also they are parts of the standard spray nozzle.

## round spray

spray device model	spray device consists of air cap and fluid cap	atomized air		fluid volumn(L/H)								spray dimensions of 20cm siphon height.				
		air pressure bar	air volumn (L/Min)	Gravity-head				siphon heigh				air pressure bar	Spray angle A	B (CM)	D ( M)	
				45 (CM)	30 (CM)	15 (CM)	10 (CM)	20 (CM)	30 (CM)	60 (CM)	90 (CM)					
SU1A	Liquid Cap1650 and Air Cap 64	0.7	11.3	1.5	1.3	1.1	0.87	0.68	0.53		0.76	0.7	18°	28	1.8	
		1.5	17.0	1.8	1.7	1.5	1.3	1.2	1.1	0.62	0.87	1.5	18°	28	1.9	
		3.0	28	2.1	1.9	1.7	1.5	1.4	1.3	1.1		3.0	18°	30	2.3	
		4.0	36	2.2	2.0	1.8	1.6	1.5	1.4	1.2		4.0	18°	36	2.6	
SU1	Liquid Cap2050 and Air Cap64	0.7	13.3	2.4	2.1	1.7	1.5	1.2	0.79			0.7	18°	30	2.1	
		1.5	20	2.8	2.6	2.4	2.1	1.9	1.6	0.91		1.5	18°	33	2.3	
		3.0	32	3.4	3.1	2.9	2.8	2.6	2.4	1.7	1.2	3.0	18°	38	2.6	
		4.0	41	3.7	3.4	3.3	3.1	2.9	2.7	2.1	2.0	4.0	19°	43	3.0	
SU2A	Liquid Cap2050 and Air Cap 70	0.7	23	2.5	2.3	2.0	1.6	1.4	1.1				18°	30	2.4	
		1.5	36	2.9	2.8	2.5	2.2	2.0	1.7	0.89			18°	33	2.7	
		3.0	58	3.4	3.3	3.2	2.9	2.8	2.5	1.9			19°	38	3.4	
		4.0	74	3.7	3.6	3.5	3.4	3.3	3.0	2.5	1.1	1.2	20°	43	4.0	
SU2	Liquid Cap 2850 and Air Cap 70	0.7	19.3	4.5	4.0	3.4	2.1	1.8	1.4		1.5	2.0	21°	38	4.6	
		1.5	31	5.3	4.9	4.4	3.5	2.9	2.7	1.8	1.2		21°	41	3.0	
		3.0	50	6.0	5.6	5.0	4.4	4.0	3.4	2.4	2.0		21°	46	3.4	
		4.0	65	5.7	5.4	5.0	4.2	3.9	3.5	2.8		1.2	22°	51	4.6	
SU4	Liquid Cap and Air Cap 60100 and 120	1.5	58	22	19.9	16.3	12.3	10.5	8.3	2.8	1.2	1.9	17°	46	3.7	
		3.0	88	25	23	19.5	16.7	14.2	11.5	6.4	1.9		18°	51	4.3	
		4.0	111	26	24	21	18.4	15.7	12.9	7.9	2.8	2.8	18°	53	4.9	
		5.6	147	26	24	22	19.7	17.0	14.6	9.8	4.5	4.5	19°	58	5.5	
SU5	Liquid Cap100150 and Air Cap 180	2.0	144				27	22	16.8			6.1	6.1	20°	51	6.7
		3.0	190				30	26	21					20°	53	7.0
		4.0	240			43	40	31	28	23	11.0			21°	58	7.6
		5.6	315	44	42	39	31	28	24	16.7	8.3	8.3	22°	63	8.2	

## flat spray

spray device model	spray device consists of air cap and fluid cap	atomized air		fluid volumn(L/H)								spray dimensions of 20cm siphon height.				
		air pressure bar	air volumn (L/Min)	Gravity-head				siphon heigh				Air pressure 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)					
SUF1	Liquid Cap2850 and Air Cap 73420	0.7	28	1.3	1.2	1.1	1.0	0.95	0.83	0.64	0.49	0.7	20	26	38	2.1
		1.5	43	1.2	1.1	1.0	0.90	0.86	0.78	0.66	0.54	1.5	21	29	38	2.1
		2.0	50	0.82	0.76	0.68	0.57	0.50				2.0	23	30	38	1.8
SUF2C	Liquid Cap35100 and 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
SUF3B	Liquid Cap 40100 and Air Cap 122435	4.0	110	1.9	1.8	1.6	1.5	1.3	1.2			4.0	28	39	48	2.7
		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
SUF4B	Liquid Cap40100 and Air Cap 122440	3.5	117	2.2	2.0	1.7										
		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									