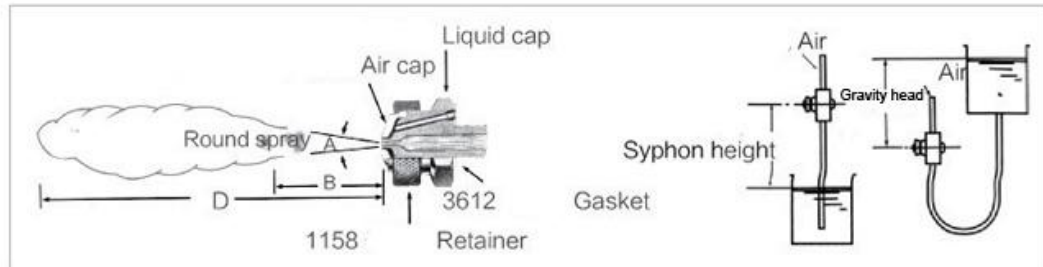


Siphon-Fed Round Spray Air Atomizing Nozzles

Design Feature



For round spray type, spray can keep spray angle "A" within "B" range. Spray becomes turbulence when it goes beyond "B", and extends to "D".

Using syphon or gravity convey liquid systems supply goes to liquid through liquid syphon or gravity convey.



The air cap of round spray and fan shape spray
The air cap from these spray system generates full cone round spray and fan shape spray

Remark: No. 1158 retainer and 3612 gasket must be ordered separately from the spray set-up. But is included in the standard nozzle assembly.

Round spray

Spray set-up No.	Spray set-up consists of fluid and air cap combination	Atomizing air		Liquid capacity(L/h)									Spray size at 20cm syphon height			
		Air pressure (bar)	Air capacity (L/min)	Gravity head			Syphon height						Air (bar)	Spray angle	B (cm)	D (m)
				45(cm)	30(cm)	15(cm)	10(cm)	20(cm)	30(cm)	60(cm)	90(cm)					
SUJ1A	Liquid cap 1650 Air cap J64	0.7	11.3	1.5	1.3	1.1	0.87	0.68	0.53				0.7	18°	28	1.8
		1.5	17.0	1.8	1.7	1.5	1.3	1.2	1.1				1.5	18°	28	1.9
		3.0	28	2.1	1.9	1.7	1.5	1.4	1.3	1.1	0.76		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
SUJ1	Liquid cap J2050 Air cap J64	0.7	11.3	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	1.1		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
SUJ2A	Liquid cap J2050 Air cap J70	0.7	23	2.5	2.3	2.0	1.6	1.4	1.1				0.7	18°	30	2.4
		1.5	36	2.9	2.8	2.5	2.2	2.0	1.7	0.89			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
SUJ2	Liquid cap J2850 Air cap J70	0.7	19.3	4.5	4.0	3.4	2.1	1.8	1.4				0.7	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
SUJ4	Liquid cap J60100 Air cap J120	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
		4.5	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
SUJ4B	Liquid cap J100150 Air cap J180	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				31	28	23				4.0	21°	58	7.6
		5.6	315	44	43	40	31	28	24	11.0	8.3		5.6	22°	63	8.2

- Siphon-Fed Round Spray Air Atomizing Nozzles produce Full cone pattern mist spray
- The spray is finely atomized , mist or fog spray
- Air pressure is usually 2 -3 bar. Liquid pressure may or may not be necessary
- Adjustable flow rate allows different choices of capacities
- General Application :
Coating, cooling, humidifying
Gas cooling
Lubricating, moistening
Misting, fogging
Dust suppression