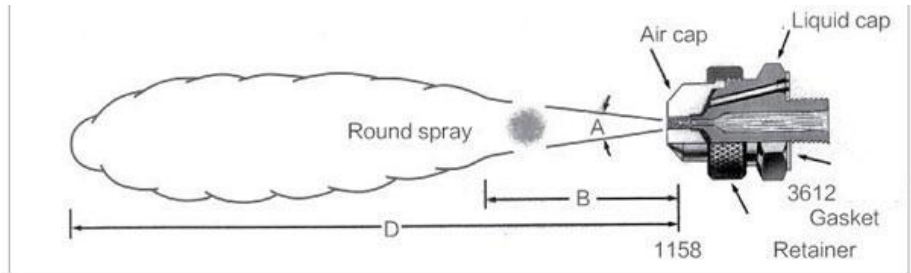


Internal Mix Full Cone Air Atomizing Nozzles

For round spray pattern, Angle "A" is maintained throughout distance "B". Beyond "B", the spray becomes turbulent, and will project to distance "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 internally to produce a completely atomized 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	Liquid capacity(L/h)and Air capacity(L/min)															Spray size				
		0.7bar			1.5bar			2 bar			3bar			4bar			Air Bar	Liquid Bar	Spray angle A(cm)	B (cm)	D (m)
		Air pressure (bar)	Liquid flow (L/h)	Air (L/min)	Air pressure (bar)	Liquid flow (L/h)	Air (L/min)	Air pressure (bar)	Liquid flow (L/h)	Air (L/min)	Air pressure (bar)	Liquid flow (L/h)	Air (L/min)	Air pressure (bar)	Liquid flow (L/h)	Air (L/min)					
SU11	Liquid cap	0.7	2.5	15.6	1.1	6.4	11.9	1.4	6.4	13.9	2.7	6.2	23	3.5	7.8	28	0.85	0.7	13°	30	2.7
	2050	0.85	1.8	19.0	1.4	5.0	15.0	1.7	5.5	16.7	2.8	5.7	25	3.7	7.3	29					
	/	1.0	1.4	22	1.7	4.1	18.7	2.0	4.5	19.8	3.0	5.2	27	3.9	6.4	33					
	Air cap				1.8	3.4	20	2.2	3.4	24	3.1	4.7	29	4.2	5.5	38					
	67147				2.0	3.0	23	2.4	3.0	26	3.2	4.3	31	4.5	4.5	43					
SU12A	Liquid cap	0.7	2.5	18.7	1.4	5.7	27	1.7	6.7	29	2.2	9.2	34	2.8	11.9	39	0.85	0.7	12°	43	3.7
	2050	0.85	2.0	22	1.5	5.2	29	1.8	6.4	31	2.5	8.2	39	3.1	11.0	43					
	/	1.0	1.6	26	1.7	4.8	32	2.0	5.9	34	2.8	7.2	44	3.4	10.1	47					
	Air cap				1.8	4.3	35	2.1	5.2	37	3.0	6.7	47	3.7	9.2	52					
	73160				2.0	3.9	37	2.2	4.8	40	3.1	6.3	49	3.9	8.4	58					
SU12	Liquid cap	0.85	4.8	21	1.7	8.4	31	2.0	10.7	33	2.7	16.5	37	3.4	20	43	1.5	0.7	12°	48	4.0
	2850	1.1	4.1	27	1.8	7.5	35	2.1	9.8	37	2.8	15.4	38	3.7	18.4	47					
	/	1.4	3.4	33	2.0	7.0	37	2.4	8.2	42	3.1	13.6	43	3.9	16.8	50					
	Air cap	1.5	3.1	35	2.2	5.7	44	2.7	6.8	48	3.4	11.8	49	4.2	15.2	55					
	73160	1.7	3.0	39	2.5	4.8	49	3.0	5.9	55	3.7	10.4	55	4.5	13.8	60					
SU22B	Liquid cap	1.1	13.0	76	2.2	17.8	116	2.8	20	136	3.4	32	149	4.6	37	193	1.7	0.7	18°	66	4.9
	40100	1.4	8.9	91	2.5	13.1	130	3.1	16.3	149	3.9	25	170	5.3	29	220					
	/	1.5	7.2	98	2.8	9.5	143	3.4	11.9	163	4.6	15.9	205	5.6	25	235					
	Air cap	1.7	5.8	105	3.1	7.0	157	3.9	7.0	187	5.3	9.1	240	6.0	21	250					
	1401110	1.8	4.7	112	3.4	4.9	171	4.2	4.7	205	5.6	6.8	255	6.3	17.4	270					
SU22	Liquid cap	0.85	31	57	1.4	61	69	2.1	53	96	2.7	80	103	3.8	88	135	1.0	0.7	17°	61	4.9
	60100	1.0	25	66	1.5	54	76	2.4	41	112	3.0	69	117	4.2	73	156					
	/	1.1	18.5	75	1.7	48	85	2.7	31	127	3.2	59	130	4.6	61	176					
	Air cap	1.3	12.9	85	1.8	41	93	2.8	26	136	3.5	49	146	4.9	48	196					
	1401110				2.0	35	102	3.0	22	144	3.7	44	154	5.3	39	215					
SU42	Liquid cap	1.0	44	86	1.4	125	79	2.0	123	108	2.2	199	88	3.0	250	99	1.0	0.7	19°	89	6.1
	100150	1.1	32	102	1.5	106	91	2.1	108	119	2.5	174	110	3.2	225	120					
	/				1.7	87	105	2.2	95	130	2.8	146	133	3.5	205	141					
	Air cap				1.8	70	118	2.4	79	143	3.1	121	154	3.8	182	163					
	1891125				2.0	55	130	2.5	64	155	3.2	108	166	4.1	159	184					

Internal Mix Full Cone Air Atomizing Nozzles have the following features:

- Spray round shape mist or fog under low pressure with pressure feed.
- Air and liquid pressure is usually 2 -3 bar.
- Adjustable flow rate allows different choices of capacities
- General Application :
Coating, cooling, humidifying
Gas cooling
Lubricating, moistening
Misting, fogging
Dust suppression