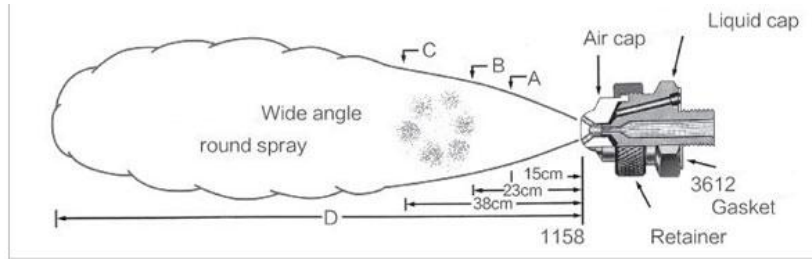


Round Spray Wide Angle Air Atomizing Nozzles

For wide angle round spray, dimensions "A" "B" "C" are the pattern width at distance from the nozzle. The total spray 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 internally to produce a completely atomized spray.



Wide angle round spray air cap
The air cap used in these spray set-up produces a hollow cone and wide angle round 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.

Wide angle 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				Water pressure 2bar				3bar				4bar				Air Bar	Liquid Bar	A (cm)	B (cm)	C (cm)	D (m)
		Air pressure (bar)	Water (L/h)	Air (L/min)	Air pressure (bar)	Water (L/h)	Air (L/min)	Air pressure (bar)	Water (L/h)	Air (L/min)	Air pressure (bar)	Water (L/h)	Air (L/min)	Air pressure (bar)	Water (L/h)	Air (L/min)											
SU16	Liquid cap	0.6	5.3	10.2	1.1	8.1	13.3	1.5	8.1	16.4	2.4	8.9	22	3.1	10.5	24	0.7	0.7	14	18	23	1.5					
	2050	0.7	4.3	12.2	1.3	7.0	15.0	1.8	6.6	21	2.7	8.1	26	3.4	9.7	28	1.4	1.5	15	19	24	1.8					
	/	0.85	3.0	14.2	1.4	6.4	17.0	2.1	4.9	25	3.0	6.4	30	3.9	7.8	36	1.8	2.0	16	20	25	2.1					
	Air cap 67-6-20-70°	0.10	1.7	17.0	1.5	5.5	19.0	2.4	3.2	29	3.2	4.9	34	4.2	6.1	42	3.0	3.0	16	20	26	2.7					
SU26B	Liquid cap	0.85	7.0	50	1.7	13.2	68	2.0	18.5	68	2.8	25	84	3.7	31	96	0.85	0.7	18	24	31	1.8					
	40100	1.0	2.1	62	1.8	9.8	79	2.1	15.1	76	3.0	22	92	3.8	28	105	1.7	1.5	19	25	33	2.4					
	/																										
	Air cap 140-6-37-70°																										
SU26	Liquid cap	0.7	24	32	1.4	43	37	2.1	33	66	2.8	52	65	3.7	63	68	0.85	0.7	19	25	36	2.1					
	60100	0.85	13.6	44	1.5	35	49	2.2	26	78	3.0	46	76	3.8	58	79	1.5	1.5	20	27	37	3.2					
	/	1.0	7.6	57	1.7	28	61	2.4	18.9	89	3.1	39	87	3.9	52	101	2.4	2.0	20	27	37	4.1					
	Air cap 140-6-37-70°				1.8	21	71	2.5	11.7	100	3.2	33	99	4.2	41	111	2.4	2.0	20	28	38	5.0					
SU29	Liquid cap	1.3	36	85	2.1	57	116	3.1	53	156	4.2	64	197	5.6	74	245	2.0	0.7	20	25	33	5.5					
	60100	1.5	29	102	2.4	51	130	3.2	50	163	4.9	51	230	6.0	68	260	3.0	1.5	20	27	34	6.4					
	/	1.8	23	117	2.7	45	143	3.4	47	170	5.6	40	265	6.3	62	280	3.0	1.5	20	27	34	6.4					
		2.0	19.7	125	3.0	39	157	3.5	45	177	6.0	34	285	6.7	56	295	3.9	2.0	22	28	37	8.2					
	Air cap 140-6-52-70°	2.1	16.7	133	3.2	33	170	3.9	38	194	6.3	28	300	7.0	51	315	6.0	3.0	23	29	38	9.1					
		2.3	14.0	142	3.5	28	185	4.6	25	230	6.7	22	320	7.2	46	335	6.3	4.0	24	32	41	10.4					
SU30	Liquid cap	1.1	12.3	40	2.2	16.3	62	2.7	21	69	4.2	19.3	100	5.6	22	130	2.0	0.7	15	19	23	2.7					
	40100	1.3	9.9	45	2.5	12.1	71	3.0	16.3	78	4.6	14.6	113	6.0	17.6	142	1.5	1.5	16	20	24	4.6					
	/	1.4	7.9	50	2.8	8.9	79	3.2	12.3	86	4.9	10.8	124	6.3	14.0	152	3.0	2.0	16	20	24	5.5					
		1.5	6.1	54	3.0	7.6	83	3.4	10.7	91	5.3	8.1	135	6.7	11.4	163	3.4	2.0	16	20	24	5.5					
	Air cap 120-6-35-60°	1.7	4.9	58	3.1	6.4	87	3.5	9.3	94	5.6	6.2	146	7.0	9.1	174	5.3	3.0	18	22	25	7.3					
		1.8	3.9	62	3.2	5.5	91	3.9	6.4	105	6.0	4.9	157	7.2	8.1	185	5.3	3.0	19	24	30	9.4					
SU46	Liquid cap	1.7	25	156	3.0	39	230	3.4	50	250	4.6	62	320	6.0	93	395	2.0	0.7	24	33	46	5.5					
	100150	1.8	19.7	167	3.1	33	240	3.5	43	260	4.9	47	345	6.3	77	425	3.2	1.5	25	34	47	6.4					
	/	2.0	15.1	178	3.2	27	255	3.7	41	275	5.3	36	375	6.7	62	460	3.9	2.0	28	37	51	7.3					
		2.1	11.4	193	3.4	23	265	3.9	27	300	5.6	26	405	7.0	52	495	5.3	3.0	29	38	53	7.9					
	Air cap 189-6-62-70°	2.3	7.6	205	3.5	18.5	280	4.1	23	310	6.0	18.9	435	7.2	63	515	6.3	4.0	33	42	58	9.8					

Round Spray Wide Angle Air Atomizing Nozzles have the following features:

- Round Spray Wide Angle Air Atomizing Nozzles give fine round atomization or fogging with air or gas.
- Liquid pressure principle with internal mixing of fluids.
- Air and liquid pressure is usually 2 -3 bar.
- Common Materials: 303 / 304SS, 316SS, Brass
- Widest spray angle can reach 120 degrees
- Adjustable flow rate allows different choices of capacities
- General Application :
Coating, cooling, humidifying
Gas cooling
Lubricating, moistening
Misting, fogging
Dust suppression