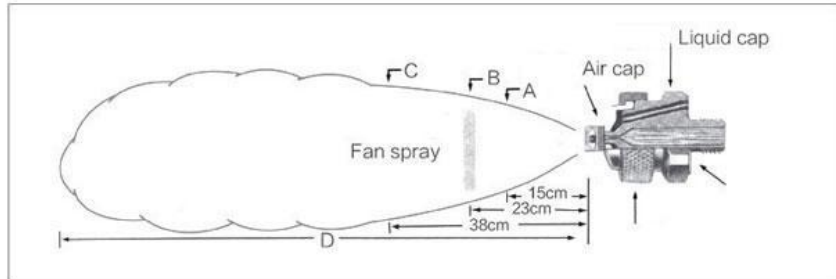


External-Mix Flat Fan Air Atomizing Nozzles

Design Feature

To control the changes by external mix to change gas pressure without liquid flow. For flat fan spray, dimensions "A" "B" and "C" are the pattern width at distance from the nozzle, as shown in picture. 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 externally 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.

Flat fan 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					
		0.2bar			0.3bar			0.7bar			1.5bar			4bar			Air Bar	Liquid Bar	A (cm)	B (cm)	C (cm)	D (m)
		Air pressure (bar)	Air (L/min)	Water (L/h)	Air pressure (bar)	Air (L/min)	Water (L/h)	Air pressure (bar)	Air (L/min)	Water (L/h)	Air pressure (bar)	Air (L/min)	Water (L/h)	Air pressure (bar)	Air (L/min)	Water (L/h)						
SUE15B	Liquid cap 1650	0.2	25.2		0.35	26.3		0.7	31.2		1.4	45.3		2.8	73.6		0.2	0.2	9	15	23	0.9
	Air cap 67228-45°	0.35	26.3		0.7	31.2		1.05	39.6		1.75	53.8		2.8	73.6		1.05	0.2	9	15	23	1.2
SUE18B	Liquid cap 1650	0.35	22		0.35	22		0.4	25		0.6	28		0.7	34		0.4	0.3	20	28	33	1.2
	Air cap 62240-60°	0.4	25	2.8	0.4	25	3.5	0.6	28	5.3	0.7	34	7.8	0.7	34	11.0	0.6	1.5	23	30	40	1.8
SUE15A	Liquid cap 2050	0.36	26.3		0.7	31.2		1.05	39.6		1.75	53.8		2.8	73.6		0.35	0.2	7.5	14	22	1.0
	Air cap 67228-45°	1.05	39.6	4.5	1.4	45.3	5.5	1.75	53.8	8.3	2.1	59.4	12.5	2.8	73.6	16.6	1.4	0.2	9	15	22	1.7
SUE18A	Liquid cap 2050	0.35	22		0.35	22		0.6	28		0.7	34		0.7	34		0.7	0.3	28	33	40	1.5
	Air cap 62240-60°	0.6	28	4.5	0.7	34	5.5	0.7	34	8.3	1.4	54	12.5	1.4	54	17.2	1.1	0.7	30	38	48	2.1
SUE15	Liquid cap 2850	0.7	31.2		1.05	39.6		1.4	45.3		2.5	68		3.5	85		0.7	0.2	13	16.5	25	1.2
	Air cap 67228-45°	1.05	39.6	8.5	1.4	45.3	10.4	1.75	53.8	15.9	2.8	73.6	23	3.5	85	33	1.75	0.2	13	16.5	25	1.8
SUE18	Liquid cap 2850	0.4	25		0.4	25		0.4	25		0.7	34		1.4	54		0.6	0.3	35	48	61	1.8
	Air cap 62240-60°	0.5	27.5	8.5	0.6	28	10.4	0.6	28	15.9	0.85	40	23	1.8	62	33	0.7	1.5	38	48	63	1.8

External-Mix Flat Fan Air Atomizing Nozzles have the following features:

- External-Mix Flat Fan Air Atomizing Nozzles spray fine flat fan atomization or fogging with air or gas.
- Liquid pressure principle with external mixing of fluids.
- Common Materials: 303 / 304SS, 316SS, Brass
- The spray is finely atomized , mist or fog spray
- Air and liquid pressure is usually 2 -3 bar.
- Adjustable flow rate allows different choices of capacities
- External-Mix Flat Fan Air Atomizing Nozzles provide independent control of liquid, atomizing air and fan air pressure for fine tuning of flow rate, drop size, spray distribution and coverage.
- General Application :
 - Coating, cooling, humidifying
 - Gas cooling
 - Lubricating, moistening
 - Misting, fogging
 - Dust suppression

