



SA series

LARGE MASS ATOMISATION

Design

Direct air and liquid eductor to produce Fine atomising.
Gas Cooling Applications

Specification

Full Cone Fine Atomisation
Spray Angle : 20 to 90 degrees
Inter-changeable tips.



Narrow Round 20 °

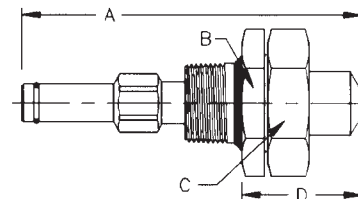


Full cone 90 °



SA Spray Chart,

Pipe Size	Model	Spray Angle	Spray Type	Approx. Free Pass Dia. (mm.)	Pipe Size	Dimensions (mm.)				Wt. (Kg.)
						A	B	C	D	
1"	SA 101	20°	Narrow Round	3.30	1	148	50.8	50.8	50.8	0.64
	SA 308	90°	Wide Round	2.69						
	SA 310	60°	Round	2.69						
	SA 402	90°	Flat Fan	3.30	1	148	50.8	50.8	50.8	0.64
	SA 404	60°		3.30						
	SA 103	20°	Narrow Round	3.30						
SA 307	90°	Wide Round	3.30							
SA 309	60°	Round	3.30							
SA 401	90°	Flat Fan	3.30							
SA 403	60°		3.30							
1 1/2"	SA 2100	20°	Narrow Round	4.83	1 1/2	229	50.8	55.6	113	1.5
	SA 2310	90°	Wide Round	4.65						
	SA 2303	60°	Round	4.65						

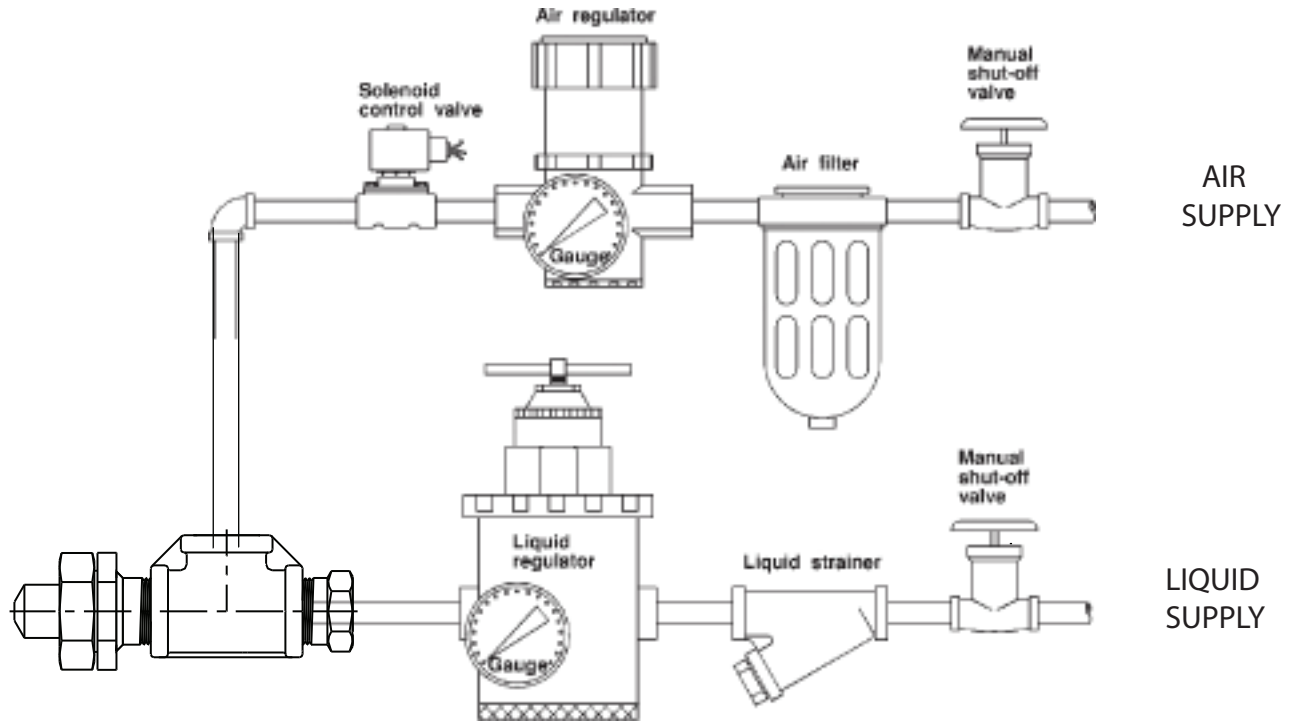


1 SA (Set-Up)

Standard material : 316 stainless steel or C22 Hastelloy on request

SA series

LARGE MASS ATOMISING



Air Pressure and Liquid Pressure vs Flow rates Chart

Size NPT	Spiral Tip Rating	1,0 Bar Air			2,0 Bar Air			3,0 Bar Air			4,0 Bar Air			5,0 Bar Air			6,0 Bar Air			7,0 Bar Air						
		liquid [l/min]	liquid [bar]	air [Nm ³ h]	liquid [l/min]	liquid [bar]	air [Nm ³ h]	liquid [l/min]	liquid [bar]	air [Nm ³ h]	liquid [l/min]	liquid [bar]	air [Nm ³ h]	liquid [l/min]	liquid [bar]	air [Nm ³ h]	liquid [l/min]	liquid [bar]	air [Nm ³ h]	liquid [l/min]	liquid [bar]	air [Nm ³ h]				
1"	14	2	0.9	25.0	2	1.9	45.0	2	2.8	60.2	2	3.7	86.3	2	4.6	105	2	5.7	137	2	6.4	149				
		3	0.9	20.2	3	1.9	39.0	3	2.8	56.8	3	3.8	79.8	3	4.7	97.9	3	5.7	135	3	6.5	146				
		4	1.0	17.3	4	2.0	29.1	4	2.9	50.8	4	3.8	73.0	4	4.8	88.9	4	5.9	123	4	6.5	134				
		5	2.0	26.8	5	3.0	26.8	5	3.0	43.8	5	3.9	64.8	5	4.8	82.6	5	5.9	110	5	6.6	117				
		6	2.1	24.4	6	3.0	24.4	6	3.0	41.2	6	3.9	57.9	6	4.9	78.3	6	6.1	100	6	6.7	112				
		7	2.1	21.9	7	3.0	21.9	7	3.0	38.5	7	4.0	53.2	7	5.0	69.9	7	6.2	94.9	7	6.8	107				
		8			8	4.1	49.9	8	4.1	35.4	8	4.1	49.9	8	5.0	66.7	8	6.2	88.9	8	6.9	100				
		9			9	4.1	47.0	9	4.1	33.5	9	4.1	47.0	9	5.1	64.1	9	6.3	79.8	9	7.0	93.2				
	10			10	5.1	60.5	10	5.1	42.5	10	5.1	45.3	10	5.1	60.5	10	6.4	75.2	10	7.1	86.0					
	11			11	6.6	69.6	11	6.6	48.5	11	6.6	49.9	11	6.6	53.2	11	6.6	69.6	11	7.2	83.6					
	12			12	7.3	80.3	12	7.3	53.2	12	7.3	53.2	12	7.3	53.2	12	7.3	80.3	12	7.3	80.3					
	1"	20	4	0.2	34.9	4	1.5	64.4	4	2.4	91.7	4	3.2	117	4	4.0	140	4	4.8	161	4	5.6	180			
8			0.8	24.3	8	1.7	45.9	8	2.6	68.1	8	3.5	91.0	8	4.4	114	8	5.2	139	8	6.0	163				
11			1.9	35.8	11	2.9	35.8	11	2.9	56.3	11	3.8	78.0	11	4.6	101	11	5.3	125	11	6.0	151				
15			2.1	26.8	15	3.0	26.8	15	3.0	45.8	15	3.9	65.2	15	4.8	85.2	15	5.6	105	15	6.4	126				
19			2.2	23.6	19	2.2	23.6	19	3.1	39.0	19	4.1	55.9	19	5.0	74.4	19	5.8	94.3	19	6.7	116				
23			2.4	21.8	23	3.3	36.7	23	3.3	36.7	23	4.2	51.6	23	5.1	67.2	23	5.9	82.8	23	6.8	98.7				
26					26	4.4	46.9	26	4.4	31.8	26	4.4	46.9	26	5.2	61.6	26	6.1	76.1	26	6.9	90.2				
30					30	4.5	42.9	30	4.5	29.9	30	5.4	42.9	30	5.4	55.6	30	6.2	70.4	30	7.1	87.4				
34				34	4.7	37.0	34	4.7	32.0	34	5.6	37.0	34	5.6	50.6	34	6.5	62.7	34	7.3	73.2					
38				38	5.0	32.4	38	5.0	28.4	38	5.0	32.4	38	5.9	47.2	38	6.7	57.8	38	7.5	64.2					
1 1/2"		28	40			40	3.1	76.3	40	3.1	76.3	40	4.0	107	40	5.0	142	40	6.0	183	40	7.0	229			
			45			45	3.2	69.0	45	3.2	69.0	45	4.2	97.4	45	5.2	130	45	6.2	167	45	7.3	208			
	50				50	3.3	61.8	50	3.3	61.8	50	4.2	88.4	50	5.2	118	50	6.3	152	50	7.3	189				
	55				55	3.4	55.5	55	3.4	55.5	55	4.3	80.7	55	5.3	109	55	6.3	141	55	7.4	175				
	60				60	3.5	49.1	60	3.5	49.1	60	4.4	73.2	60	5.4	100	60	6.4	130	60	7.5	162				
	65				65	3.6	43.1	65	3.6	43.1	65	4.6	66.3	65	5.6	92.3	65	6.6	121	65	7.6	152				
	70				70	3.8	37.5	70	3.8	37.5	70	4.8	60.2	70	5.8	85.8	70	6.8	114	70	7.9	145				
	75				75	4.0	32.1	75	4.0	32.1	75	5.0	54.6	75	6.1	80.2	75	7.1	109	75	8.2	141				
80			80	4.2	27.1	80	4.2	27.1	80	5.2	49.8	80	6.2	76.0	80	7.2	106	80	8.2	139						

Standard material : 316 stainless steel