

Q D	5.94	11.88	17.82	23.76	29.7	35.64	41.58	47.52	53.46	59.4
35	265	529	794	106	1320	振動頻率太大（超出機台範圍）				
50	90.8	182	272	363	454	545	635	726	817	908
60	52.5	105	158	210	263	315	368	420	473	525
75	26.9	53.8	80.7	108	134	161	188	215	242	269
100	11.3	22.7	34	45.4	56.7	68.1	79.4	90.8	102	113
150	3.36	6.72	10.1	13.4	16.8	20.2	23.5	26.9	30.3	33.6
200	振動頻率太小 （超出機台範圍）				7.1	8.5	9.9	11.3	12.8	14.2
250					3.63	4.36	5.08	5.81	6.53	7.26
300					2.1	2.52	2.94	3.36	3.78	4.2
350					1.32	1.59	1.85	2.12	2.38	2.65

表 2.1 振動頻率與液體流量(Q)和液滴直徑(D)的對照表(單位：KHz)

Aerosol Generator					
Orifice diameter* (μm)	Syringe capacity (cm ³)	Syringe pump run speed (cm/sec)	Liquid feed rate (cm ³ /min)	Frequency range* (kHz)	Droplet diameter range (μm)
A. Standard operating conditions—0.3 to 2½ hours of continuous, uninterrupted operation					
100	60	6.6×10^{-3}	2.2	1 - 10	191 - 412
50	60	1.8×10^{-3}	0.59	8 - 20	98 - 132
35	60	9.1×10^{-4}	0.30	15 - 50	58 - 86
20	20	8.2×10^{-4}	0.139	40 - 80	38 - 48
10	10	8.2×10^{-4}	0.080	150 - 300	21 - 26
B. Optical operating conditions—for 4 to 6 hours of continuous, uninterrupted operation					
20	60	4.2×10^{-4}	0.139	40 - 80	38 - 48
10	20	4.6×10^{-4}	0.080	150 - 300	21 - 26

表 2.2 噴霧液滴尺寸與 Orifice 選用對照表[23]