

Grex Fan Spray Cap Air Consumption

Fan Spray Cap and Nozzle Sizes (mm)

Sufficient air volume must be supplied to your airbrush for it to perform properly. The air volume consumption of an airbrush is dependent on many factors, two of which are the spraying air pressure as well as the fan spray cap and nozzle size. In general, using a larger nozzle size and/or spraying at higher air pressures will result in higher air consumption. Use the chart below to determine the minimum amount of air that your compressor must be able to supply.

Spray Pressure		0.3mm		0.5mm		0.7mm	
PSI	BAR	CFM	LPM	CFM	LPM	CFM	LPM
5	0.34	0.20	5.6	0.21	5.9	0.24	6.8
10	0.69	0.25	7.2	0.28	7.9	0.31	8.7
15	1.03	0.31	8.7	0.35	9.9	0.38	10.7
20	1.38	0.36	10.3	0.42	11.9	0.45	12.7
25	1.72	0.42	11.8	0.49	13.8	0.52	14.7
30	2.07	0.47	13.4	0.56	15.8	0.59	16.7
35	2.41	0.53	15.0	0.63	17.8	0.66	18.7
40	2.76	0.58	16.5	0.70	19.8	0.73	20.6
45	3.10	0.64	18.1	0.77	21.8	0.80	22.6
50	3.45	0.69	19.6	0.84	23.8	0.87	24.6
55	3.79	0.75	21.2	0.91	25.7	0.94	26.6
60	4.14	0.80	22.7	0.98	27.7	1.01	28.6

- Approximate values for reference only
- Must use matching fan spray cap and nozzle size
- Air volumes referenced to 1 atmospheric pressure (atm)
- CFM = Cubic Feet per Minute / LPM = Liters per Minute

For example: Using a 0.5mm fan spray cap and nozzle size, and spraying at an air pressure of 30 psi will require at least 0.56 CFM (15.8 LPM). So make sure your compressor can supply a minimum of 0.56 CFM (15.8 LPM) at 30 psi.