

# Ductless Spray Hood HEPA Filter Longevity Spray Test

November 2008



**Sentry Air Systems  
6999 W. Little York Rd, Suite P1  
Houston, TX 77040**

## ColorPlace Interior/Exterior Fast Dry Spray Paint



## Up to 99.97% HEPA Filter



## Pre-Filter Pad



## Spray Pad



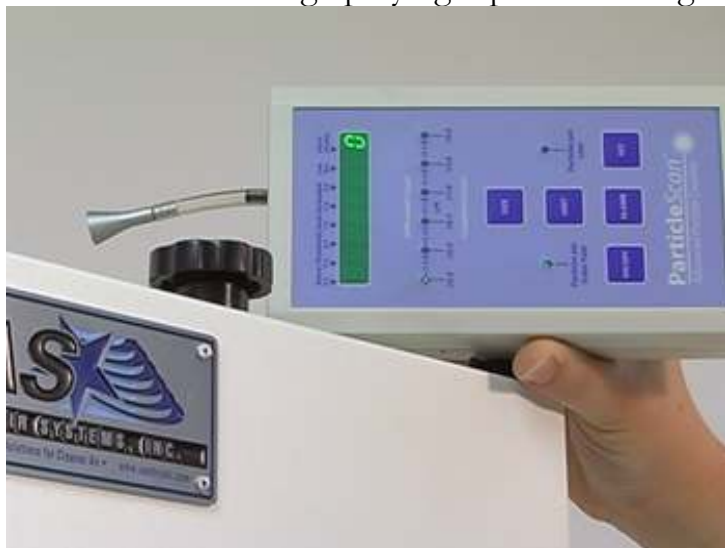
Initial Airflow Measurement: 138 feet per minute

	Left	Middle	Right	Average
1 Can - 10 oz	145	125	145	138
2 Cans - 20 oz	140	130	140	137
3 Cans - 30 oz	140	120	150	137
4 Cans - 40 oz	140	120	150	137
5 Cans - 50 oz	140	125	140	135
6 Cans - 60 oz	145	135	135	138
7 Cans - 70 oz	130	130	130	130
8 Cans - 80 oz	140	135	135	137
9 Cans - 90 oz	135	125	130	130
10 Cans - 100 oz	140	140	140	140
11 Cans - 110 oz	140	145	140	142
12 Cans - 120 oz	140	140	130	137
13 Cans - 130 oz	135	135	140	137
14 Cans - 140 oz	130	115	150	132
15 Cans - 150 oz	130	130	140	133
16 Cans - 160 oz	120	130	150	133
17 Cans - 170 oz	130	135	150	138
18 Cans - 180 oz	135	135	150	140
19 Cans - 190 oz	135	140	145	140
20 Cans - 200 oz	125	140	145	137
21 Cans - 210 oz	130	140	145	138
22 Cans - 220 oz	125	135	140	133
23 Cans - 230 oz	135	140	140	138
24 Cans - 240 oz	130	140	150	140
25 Cans - 250 oz	135	140	145	140
30 Cans - 300 oz	140	135	130	135
35 Cans - 350 oz	130	140	135	135
40 Cans - 400 oz	130	140	130	133

Pre-Filter & Spray Pad were changed every 5 cans.

***Post- Test Results: After 40 cans of spray paint, airflow measurements were unchanged with an error rate of  $\pm 5$  FPM.***

Particle Count during Spraying Operation using a Laser Particle Scan Pro: 0



## HEPA Filter Progress



5 Cans – 135 FPM



9 Cans – 130 FPM



13 Cans – 137 FPM





18 Cans – 140 FPM



23 Cans – 138 FPM



30 Cans – 135 FPM



35 Cans – 135 FPM



40 Cans – 133 FPM