

# Fume Hood Performance Test Kit

Easily check the basic performance of your fume hood  
for "air flow visualization" and "face velocity calibration"



Use this New Face Velocity and Flow Visualization Performance Test Kit to provide qualitative testing for laboratory hoods and other enclosures that require periodic testing of air velocities and air flow visualization.

The Kit consists of Markers to Test 5 Fume Hoods and are as follows: a Face Velocity Vaneometer with Case, Face Velocity Test Instructions, Flow Visualization Test Instructions, "As Installed" Report Form, "As Used" Report Form, Fume Hood Inspection Labels, Sash Position Markers to test up to 5 hoods, (10) 45 Second Smoke Candles, and (20) 20 Second Smoke Matches.

The Face Velocity Vaneometer is accurate to  $\pm 5\%$  of full scale to 100 FPM and  $\pm 10\%$  from 100 FPM to top of scale. It has a spirit level to ensure accurate readings and the large scales are easy to read and visible from both sides.

Note: This basic Fume Hood Performance Test Kit is not a substitute for the ASHRAE 110-1995 (or latest edition).

Test should be conducted by a qualified independent technical engineer who can provide certified documentation of fume hood performance.

**OPERATION** properly mount face velocity markers on the right and left hand posts. Raise or lower sash to correct velocity openings and take readings. The Face Velocity Vaneometer is accurate to  $\pm 5\%$  of full scale to 100 FPM and  $\pm 10\%$  from 100 FPM to top of scale. It has a spirit level to ensure accurate readings and the large scales are easy to read and visible from both sides. The Vaneometer has a metal bracket that allows the Vaneometer to be mounted to the inside wall of the fume hood. Thus permitting continuous face velocity monitoring.

**SEFA 4.3 Recommended Practices for Laboratory Fume Hoods** The ASHRAE 110 test is a method of testing the performance of laboratory fume hoods. There are three test procedures incorporated into the 110 test; the first is the face velocity grid test, the second is the flow visualization or smoke test and third is the tracer gas containment test. The ASHRAE 110 is the recognized method for evaluating the performance of fume hoods; ASHRAE has defined three modes, As Manufactured (AM), As Installed (AI), and As Used (AU). The ASHRAE test should be conducted by an authorized person cognizant of each of the three test procedures.

## Fume Hood Performance Test Kit



The Performance Test Kit measures face velocity and air flow visualization per ASHRAE 110-1995 procedure. Kit includes: vaneometer, 10 smoke candles, 20 smoke matches, test report manual and instructions. Can test up to 5 fume hoods.

**Fume Hood Performance Test Kit**  
Cat. No. 51201 .....\$119.00

**Replacement Materials for 5 hoods**  
Includes: 5 Face Velocity Markers,  
10 smoke candles, 20 smoke matches  
and instruction manual.  
Cat. No. 51202 .....\$36.50

FACE VELOCITY MARKERS
<p>125 FEET / MIN.</p> <p><b>SASH POSITION</b></p> <p>FACE VELOCITY</p>
<p>100 FEET / MIN.</p> <p><b>SASH POSITION</b></p> <p>FACE VELOCITY</p>
<p>75 FEET / MIN.</p> <p><b>SASH POSITION</b></p> <p>FACE VELOCITY</p>
<p><b>Safety Is No Accident</b></p> <p>For Additional Face Velocity Markers Call</p> <p><b>HEMCO Corporation</b> 711 South Powell Road Independence, MO 64056 (816) 796-2900</p>

Visit [www.HEMCOcorp.com](http://www.HEMCOcorp.com)



**HEMCO Corporation**  
711 S. Powell Road  
Independence, MO 64056

# HEMCO

Phone (816) 796-2900  
Fax (816) 796-3333  
FHPTK-08.10