



**KANOMAX**  
The Ultimate Measurements

# Dif-Kit Tracer Gas Hardware

## Professional Fume Hood Diagnostic Tools

The ANSI/ASHRAE 110 test is a method of testing the performance of laboratory fume hoods. The Kanomax Dif-Kit is ideal for use in performing the Tracer Gas test in accordance with the ANSI/ASHRAE Standard 110-1995. Kanomax also offers alternative tracer gas systems due to concerns to prevent greenhouse gas emissions.

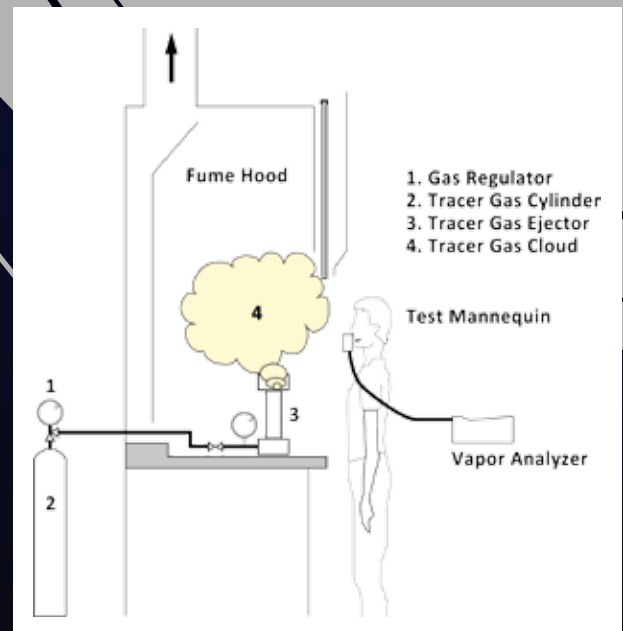
## Features & Benefits

- Diffuser is made to the design and specifications of Standard drawing #110-83M
- The internal critical orifice ensures a flow rate of 4 liters per minute. Other orifice sizes can be inserted
- Alternative tracer gas systems are available - SF<sub>6</sub>, NO<sub>2</sub>, or FM-200 (HFC-227)
- Thermal anemometer for face velocity testing
- Commercial fog machine for flow visualization



## ■ Vapor Analyzer

The Vapor Analyzer is factory calibrated for the tracer gases. Response time is less than 10 seconds to 90% response with a stable maximum concentration in less than 30 seconds.



## Dif-Kit Specifications

Critical Orifice	4 liter per minute
Regulator	Dual Stage, Specialty Gas
Flow Meter	Calibrated 150 mm/200 psi, Glass Tube
Pressure Gauge	0 to 60 psi



## Vapor Analyzer Specifications

Type	Single Beam Infrared Spectrophotometer
Sample Flow	10 liter per min (21.2 ft <sup>3</sup> /hr)
Sample Cell Volume	0.45 liters (0.0159 ft <sup>3</sup> )
Gas Purge	5 Cell Volumes for 99% purge of cell
Concentration Alarm	High & Low (selectable by user)
Interface	USB, RS232
Power Supply	NiMH battery or 120-220V AC
Dimensions	15 x 7.3 x 7.5 inches (381 x 185 x 191 mm)
Weight	18 lbs (8.2 kg)



## Fog Machine Specifications

Particle Size	0.25 to 60 microns
Max Consumption	1 liter per hour
Power Requirements	120 volts, 50/60 Hz
Dimensions	14.3" x 5.6" x 7.5"



Specifications are subject to change without notice.



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