

# COST EFFECTIVE

## vPlume™

### Laboratory Exhaust System

vPlume™ is a commercial lab exhaust that ensures a greater margin of safety by effectively dispersing unwanted exhaust, preventing re-entrainment by other ventilation systems.

#### Benefits of vPlume

The vPlume provides a higher level of safety and health by propelling contaminated effluent higher into the air stream where it becomes diluted before contaminants settle back to building envelope or ground level.

- Configurable in single, double, and triple fan ( or 1, 2, 3) systems
- Performance ranges (Min 220 CFM, Max 7,100 CFM)
- Ease of maintenance via large access door
- Designed to withstand 125 mph winds
- AMCA B Spark Resistant Construction
- Certified for AMCA Sound and Air Performance, UL 705

#### PennBarry Advantage

PennBarry is the leader in performance density providing greater (CFM/WATT)/ft<sup>2</sup> utilizing airfoil wheel for higher efficiency.

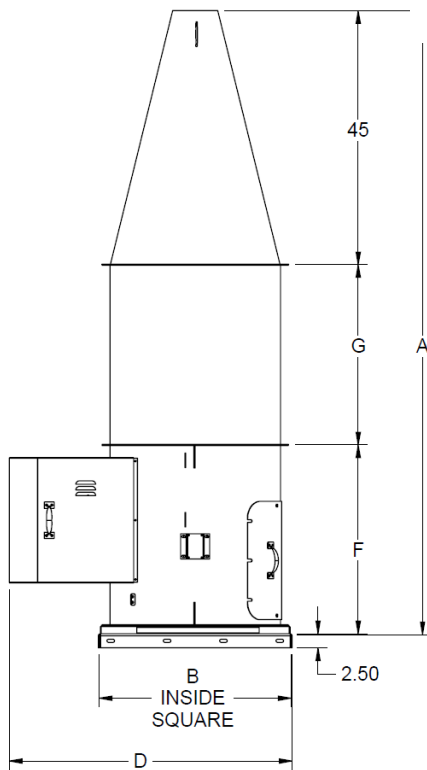
The vPlume has industry leading sound performance compared to similar products in the market.





- Aluminum Airfoil Wheel, non-overloading
- AMCA type "B" Spark Resistant Construction
- High velocity discharge nozzle
- Totally enclosed fan cooled motors
- NEMA 3R disconnect mounted and pre-wired
- L10/100k concentric locking bearings w/ extended lube lines
- Large bolted access door - allows wheel and bearing replacement
- Minimum 12 gauge steel welded housing
- Reinforced curb cap
- Designed to withstand 125 mph wind
- Weather cover
- Stainless steel shaft
- Stainless steel hardware
- Lifting lugs
- Fan drain
- 1.5 and 2.0 Service Factor drives
- Phenolic epoxy powder with UV protection (Light Gray)

## Dimensions



Size	A	B	D	F	G
90	122	22	37	27	50
105	122	22	37	27	50
122	122	22	37	27	50
135	122	24	40	29	48
150	122	26	43	31	46
165	122	28	46	31	45
182	122	34	51	34	45

*All dimensions are in inches.*

A= Overall system height (less curb)

B= Width of curb

D= Overall width of the system

E= Height of plenum

F= Height of fans

G= Height of stack extension



**PENN BARRY™**

PennBarry | [www.pennbarry.com](http://www.pennbarry.com) | [pennbarrysales@pennbarry.com](mailto:pennbarrysales@pennbarry.com) | tel: 972.212.4700 | fax: 972.212.4702

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