

# 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.

- Configured in single, double, or triple fan ( or 1, 2, 3) systems
- Featured in a wide performance range (220-84,000 CFM)
- Ease of maintenance via large access door
- Designed to withstand 125 mph winds
- Supplied with AMCA B Spark Resistant Construction
- Certified for AMCA Sound and Air Performance & UL 705

## PennBarry Advantage

PennBarry vPlume is the only velocity stack fan featuring an aluminum non-overloading airfoil wheel providing higher efficiency and performance. The vPlume also has industry leading sound performance compared to similar products in the market.

- AMCA type "B" Spark Resistant Construction
- High velocity discharge nozzle
- Totally enclosed fan cooled motors
- NEMA 3R service switch, mounted and pre-wired
- L10/100k concentric locking bearings w/ extended lube lines
- Large bolted access door for ease of service
- Minimum 12 gauge steel welded housing
- Reinforced curb cap
- Ability to withstand 125 mph winds
- Weather cover
- Stainless steel shaft
- Stainless steel hardware
- Lifting lugs
- Fan drain
- 1.5 and 2.0 Service Factor drives
- Phenolic epoxy powder coat with UV protection (Light Gray)



## Dimensions

MODEL	A	B	D	F	G
90	122	22	39 ½	27 ¼	49 ¾
105	122	22	39 ½	27 ¼	49 ¾
122	122	22	39 ½	27 ¼	49 ¾
135	122	24	43	29 ¼	47 ¾
150	122	26	45	31 ¼	45 ¾
165	122	28	45	31 ½	45 ½
182	122	34	50 ¼	33 ½	43 ½
200	122	36	53	36 ½	40 ½
222	122	40	57 ¼	40 ½	36 ½
245	122	46	62 ¾	45	32
270	122	50	69 ¾	49 ½	27 ½
300	122	59	77 ¼	55	22
330	122	60 ¾	77 ¾	61 ½	15 ½
365	122	63 ¾	82	68	9
402	125	70 ¾	90 ¼	75	5

All dimensions are in inches.

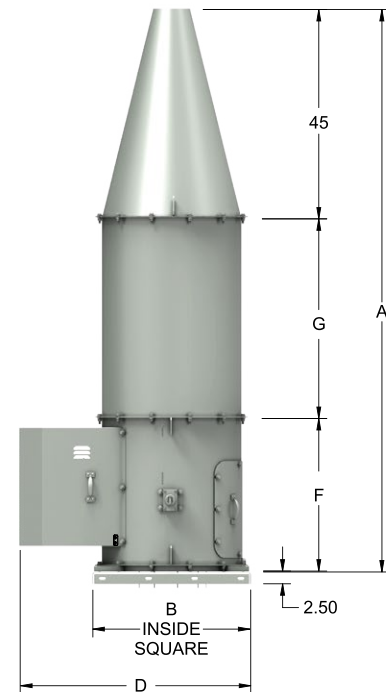
A = Overall system height (without curb)

B = Width of Curb

D = Overall width of the system

F = Height of fan

G = Height of stack extension



PENN BARRY™