



## February 2025 Newsletter



**Hello BlowHard Dealers and Sales Staff!**  
**February is here and we're sharing more of what**  
**we are *in love* with...deeper knowledge!**

**Last month we showed how you've *got* to factor in**  
**the *Thrust/Momentum* of an airstream in order to**  
**accurately determine the Performance of any PPV fan**  
**and its ability to ventilate or pressurize. A fan might**  
**have high CFM, but no pressure within it to**  
**drive air through the structure.**

**Now for step 2:**

# Education Station

## Airstream Entrainment

There are 3 different types:

**Venturi**

**Viscus Drag**

**Turbulent Mixing**

**\*\*Rather than buying off-the-shelf parts and being unaware if entrainment is occurring, BlowHard *starts* with the above physics in our engineering to ensure our fans maximize efficient entrainment by leveraging both Venturi and Viscus Drag!**

**video:**



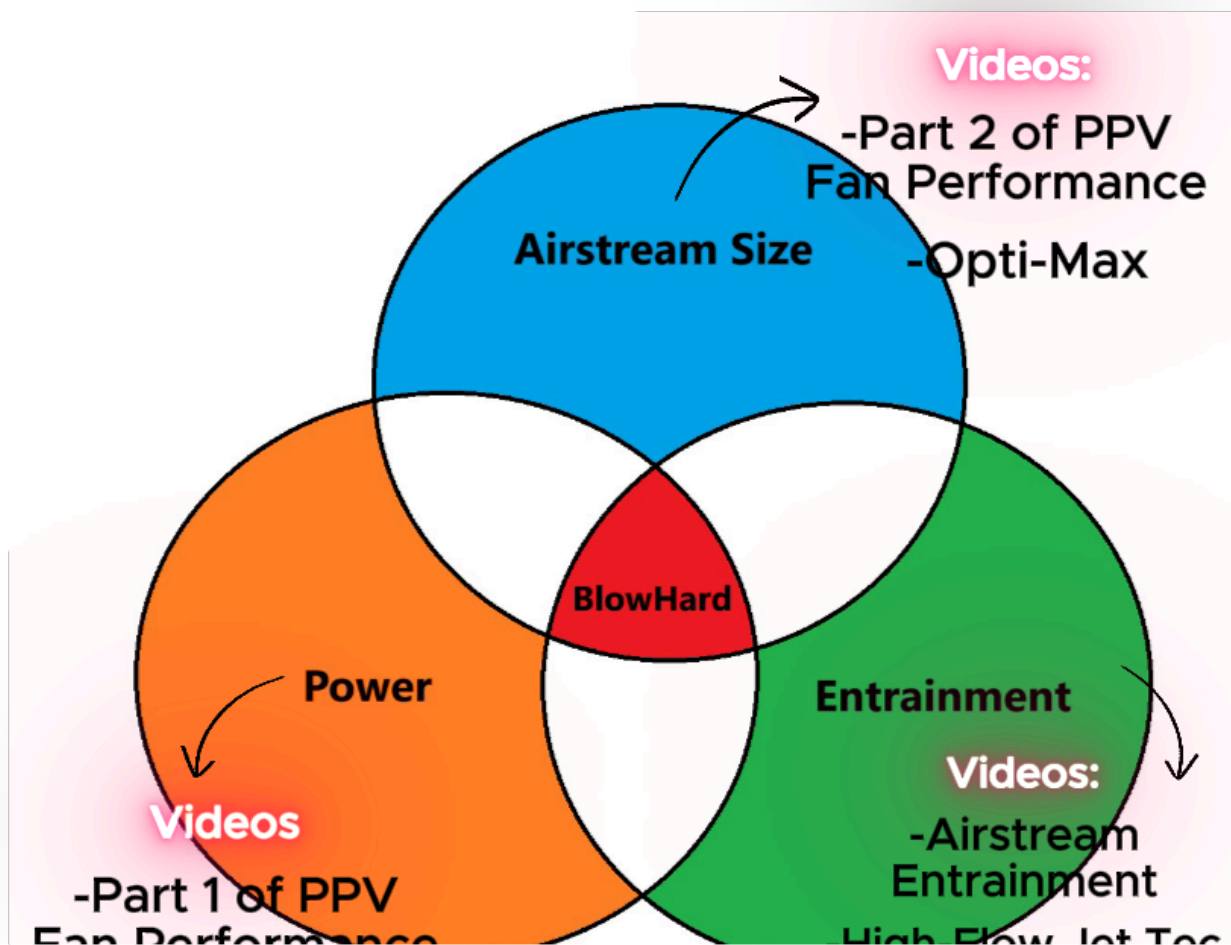
**\*\*As always, please reach out with any questions!**

# Did You Know?

The three most important components of  
PPV Fan Performance are:

**Airstream Size**  
**Entrainment Type**  
**Power**

BlowHard is the only company to engineer all three of  
these components into each fan!



In case you missed last month...

## Education Station

### **\*\*BREAKING NEWS!\*\***

BlowHard is challenging the industry's historic standards!

Using only CFM to define a fan's capabilities leaves you without important key metrics that you need to know in order to make critical decisions.

What's more, PPV manufactures inflate those numbers and are now posting Free-Airflow CFM (not used real-life PPV firefighting situations) to make them look more impressive.

This is deceiving, confusing, and creates a disservice to both the industry and firefighters using these products.

Education is KEY and its BlowHard's mission to accomplish two things:

1) Equip you with precise knowledge and understanding of the physics of any PPV Fan's Performance and its ability to generate power into its airstream.

you the ability to conduct your own tests, generate accurate numbers, and obtain key performance metrics.

You will no longer need to rely on manufactures (including BlowHard) or clever marketing/advertising to make important decisions.

We understand that this may ruffle some feathers, but we're ready, we're backed by science, and we always walk the walk!

Today we begin the journey with this video...

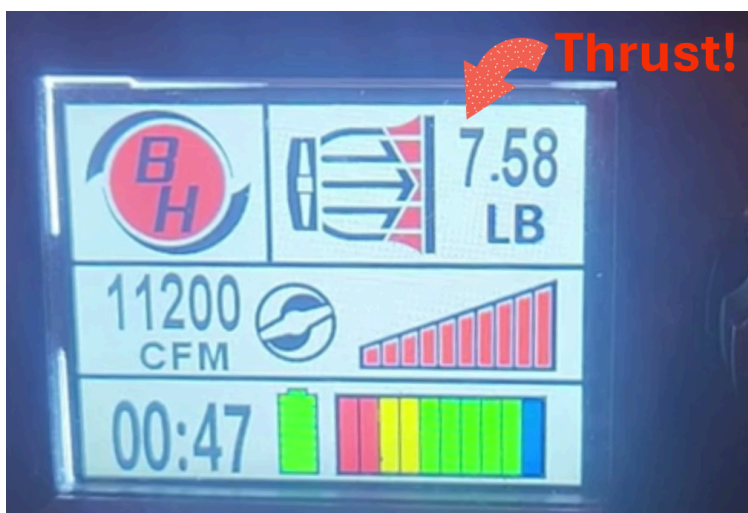
**PLEASE ask questions!**  
**[rhadlock@blowhardfans.com](mailto:rhadlock@blowhardfans.com)**

You arrive on scene. Quickly you have to make the decision of needing to Pressurize, Ventilate or both. Do you choose your airstream's High-Pressure state or High-CFM state? Where do you place the fan based on that answer? And you've been told your fan has "x" amount of CFM, but does that CFM have enough velocity/pressure to do the work?

You've GOT to know your  
Fan's **Performance Potential**.  
It's not just CFM, but  
**Momentum / Thrust:**

video:





BlowHard displays **Thrust** on Squirt's dynamic LCD screen, so you know its Performance Potential as you adjust it and can compare it to any other fan!



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