

A New Standard for Flow testing has arrived...

FLOWBUSTER™

Fire Pumps - Fire Hydrants - Standpipes



Easier to Use

Better Results

Quicker Setup and Breakdown



Lightweight - Under 10lbs each. Easy to Carry

Stackable - Create "Single-Point" Flow Tests

Self-Anchoring - No Vibrating Out of Position

Rugged - Welded Steel Construction

Visit our Website to Order... www.flowbuster.com

FLOWBUSTER™ Design Features



Proven Design.

In development for over four years, the FLOWBUSTER™ Flow diverter and related system components are ready to make your testing easier, quicker, and more accurate to provide a payback in less than a Season of use.

Single Point Discharge.

This new system offers “Single Point” discharge for the majority of your fire pump tests. Up to four FLOWBUSTERS™ can be easily stacked to eliminate the multiple flow points required by other systems.



Lower Testing Expense.

Time is money. The FLOWBUSTER™ saves you money on every test. One trip to the truck is all that is needed to set up a FLOWBUSTER™ stack of four units. Other Systems take four or more trips and require assembly and breakdown for every test.

Safer to transport.

Roof tests that require ladder or stair climbs are safer and easier with the FLOWBUSTER™. Its compact, rectangular shape is not cumbersome to carry. Carrying weight is under 10 lbs.

Self-Anchoring.

The FLOWBUSTER™ was designed to be “Self-Anchoring” as well as thrust balanced. Once flowing, each FLOWBUSTER™ exerts a downward force to anchor it in position. The FLOWBUSTER™ will operate on slopes and will not vibrate out of position like other systems.



More Accurate.

The FLOWBUSTER™ requires the use of a separate hand held pitot to take flow readings. In the control of a qualified operator the hand held pitot tube will always provide more accurate field flow readings than those systems with a fixed-position pitot.

**For more information, call LaCrosse Engineering at 678-687-1832
or visit us online at www.flowbuster.com**

FLOWBUSTER™ Testing System

Reasons You Need to Switch to FLOWBUSTER™ ...

Competitive Pricing.

The FLOWBUSTER™ provides more features and design improvements yet is priced competitively with current Systems.

Fast Payback.

Time is money! Setup and breakdown time savings using the FLOWBUSTER™ can pay for the System. Depending on your current System, the FLOWBUSTER™ can shave 20 minutes off of a normal test. This savings in time would pay for an entire FLOWBUSTER™ System in less than one Season.

Happy Employees.

Welding around multiple 30lb. devices is not easy. Less physical energy is required to accomplish the same task when using a FLOWBUSTER™ System.

Impress Your Customers.

Your customers deserve and expect the best. Don't disappoint your most valuable asset... your customers. They expect you to use the most technically advanced, accurate, and superior products available to perform their annual field inspections. Don't let your competitor be the first to introduce your customers to the FLOWBUSTER™.

Superior Accuracy.

Accuracy is essential. Be confident of your readings the first time. The FLOWBUSTER™ is used with a hand held Pitot Tube which allows the operator to best match field conditions for the most accurate readings.

Lower Transportation Costs.

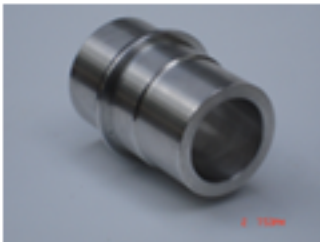
The less weight you carry the less you pay in fuel. The FLOWBUSTER™ provides you the the highest performance per pound of any other System available today.

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FLOWBUSTER™ Accessories



The Stacking Connector is a key accessory for the FLOWBUSTER™ System. The device allows you to connect 2, 3, or 4 FLOWBUSTERS together. They then stay together as a pack when transporting, storing, and when using. The Connector has two stabilizers that swing out and lock into position to prevent accidental “tip-overs” before use.



The Flow Nozzle is sandwiched between the 2-1/2” supply hose and the FlowBuster’s female swivel fitting to allow higher accuracy readings for smaller flow conditions (100-750 GPM). The Nozzle Insert is available in two sizes, 1-1/8” and 1-3/4”.



The carrying case protects your valuable nozzle inserts and keeps them in one place for you when you need them. Up to six Nozzle Inserts will fit in the case.

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FLOWBUSTER™

Frequently Asked Questions

Q. I'm just starting to test Fire Pumps. What do I need?

A. Most Fire Pumps range from 150 GPM - 5000 GPM. Purchase what will cover 90% of your potential tests in your area. We recommend:

(6) FLOWBUSTERS

(6) Nozzle Inserts,

(2) Stacking Connectors (3 high each)

(1) Pitot tube

(8) 25foot, 3in Fire Hoses (not the 2-1/2") with 2-1/2"NST connections

(2) 50ft, 3in Fire Hoses with 2-1/2"NST connections

This will provide you enough hose initially to run (3) lines for 100 ft, (4) lines for 75 ft ea, or (6) lines for 50 ft ea. Using 3 in hose will reduce friction losses so you can use fewer hoses per test. Using 25 ft. lengths saves the wear and tear on your back.

You will also need a good digital tachometer, an Ampmeter/Voltmeter, and test gauges that have been calibrated.

Q. The FLOWBUSTER is so light! I'm currently using flow diverters that weigh over 26lbs each. Is the FLOWBUSTER strong enough?

A. Yes, the FLOWBUSTER is not only light (8lbs), but compact. It is extremely strong and should provide you with years of use in the field.

Q. Your Flow Chart only goes to 87psi. Is this an upper limit for readings?

A. We have tested the FLOWBUSTER to readings above 100psi but do not recommend it nor is it really needed to go that high. Your accuracy is better at the lower values and the pressures are less likely to get you in trouble.

Q. I'm testing a 2000GPM Fire Pump. How many FLOWBUSTERS do I need?

A. Each fire pump is provided with a specific number of hose valves. A 2000GPM unit would be furnished with 6 valves. The number required actually depends on the pump discharge pressure and the friction losses from the pump to the FLOWBUSTER Nozzle. If the fire pump has a boost pressure of 40psi and is pulling from a ground storage tank and you are using 100ft hoses you would probably need all 6. With a city pressure of 60psi and a pump boost pressure of 100psi using 25ft, 3in hoses you would only need 3.

Q. How does the "Stacking Connector" work?

A. The "Stacking Connector" keeps a stack of FLOWBUSTERS in-line and helps to prevent tipping over due to hose twisting. Without it the stack may tip over as the hoses try to straighten out if twisted during lay-out. If they tip over nothing bad happens but things and individuals can get wet. The Stacking Connector has two stabilizers that extend out and lock in place during use. The stabilizers fold along the FLOWBUSTER sides during transporting.

Frequently Asked Questions, Continued

Q. Will the FLOWBUSTERS work on slopes?

A. Yes, gentle to moderate slopes are no problem for the FLOWBUSTER due to its design. The guide vanes direct the water vertically which results in applying a downward force that keeps it anchored. A “Three” stack can exert a downward force of 60-75lbs depending on the flow.

Q. What surfaces will it not work on?

A. Loose gravel. Loose gravel surfaces will be disturbed within 4ft. of the FLOWBUSTER. We suggest having a 4’x8’ or 5’x10’ tarp handy to place under the FLOWBUSTER stack during testing. It beats a shovel.

Q. Accuracy? Why is your system better?

A. Accurate readings are important. The FLOWBUSTER is a platform to allow qualified test personnel to obtain the most accurate values possible. The water stream is completely exposed to allow the Pitot tube to be positioned at the most optimum place to achieve accurate flow. Unlike in a laboratory, this position is never in the same place, varying with every hose layout.

Q. Does your system works as advertised?

A. The FLOWBUSTER has been field tested for over three years. It was patented in 2006 (US Patent No 7,137,568). The system works!

The weight savings alone is worth the purchase. Climbing up ladders, stairs, and putting it in and out of vehicles is almost effortless. Conserving storage space is always important. The FLOWBUSTER stacks in 1/3 the space required by other systems.

The flow stream is completely exposed to allow the operator to seek the most representative reading.

In and out of the water, the FLOWBUSTER will help to make your results more accurate with less effort.

Q. Is the FLOWBUSTER UL Listed or Factory Mutual Approved?

A. No. At this time the FLOWBUSTER is not Listed by UL nor is it Approved by Factory Mutual.

Q. My exiting stream flow is not a solid stream as shown in your pictures.
Is anything wrong?

A. Yes. Your hose connected to the FLOWBUSTER needs to be as straight as possible (at least 5 feet from the device) for accurate readings. Straighten the hose and the flow stream should look more like the ones posted on our site.

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