



## Automotive & Powersports **THE FACTS ABOUT YOUR INTAKE & AIR**

### ISO 5011 Tested to Make Sure You Maximize Airflow While Still Protecting Your Engine.

**Part Number:** 75-5108, 75-5108D  
**Description:** Performance Intake Kit & Filter  
**Vehicle Applications:** 2011-2016 Ford F250/F350 6.2L V8 Gas

**Test Date:** 11/06/2017  
**Test Report #:** 1, 2, 3, 4, 5, 6

#### TECHNICAL BULLETIN

There is a lot of misinformation in the marketplace. S&B publishes specific test results for each of our intakes & filters as shown below, so you can make an informed decision. Remember, improving your airflow is only good if your engine is still protected. That's the S&B difference!

#### FACT: S&B Flows 12.20% Better than Stock

In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&B's intake kit (and filter) had significantly lower restriction (better airflow) than the stock intake system. See the graph on the next page.

#### WATCH OUT: Some competitors over state airflow.

If they state that their filter will flow, lets say 1000 cfm, without stating at what restriction level, they are trying to mislead you.

Description	% S&B Flowed Better than Stock (tested @ 482 cfm)
S&B Intake w/ Cleanable Filter	12.20%
S&B Intake w/ Dry Filter	7.54%

#### TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	482 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13240C
Dust Feed Rate (grams/minute)	13.65

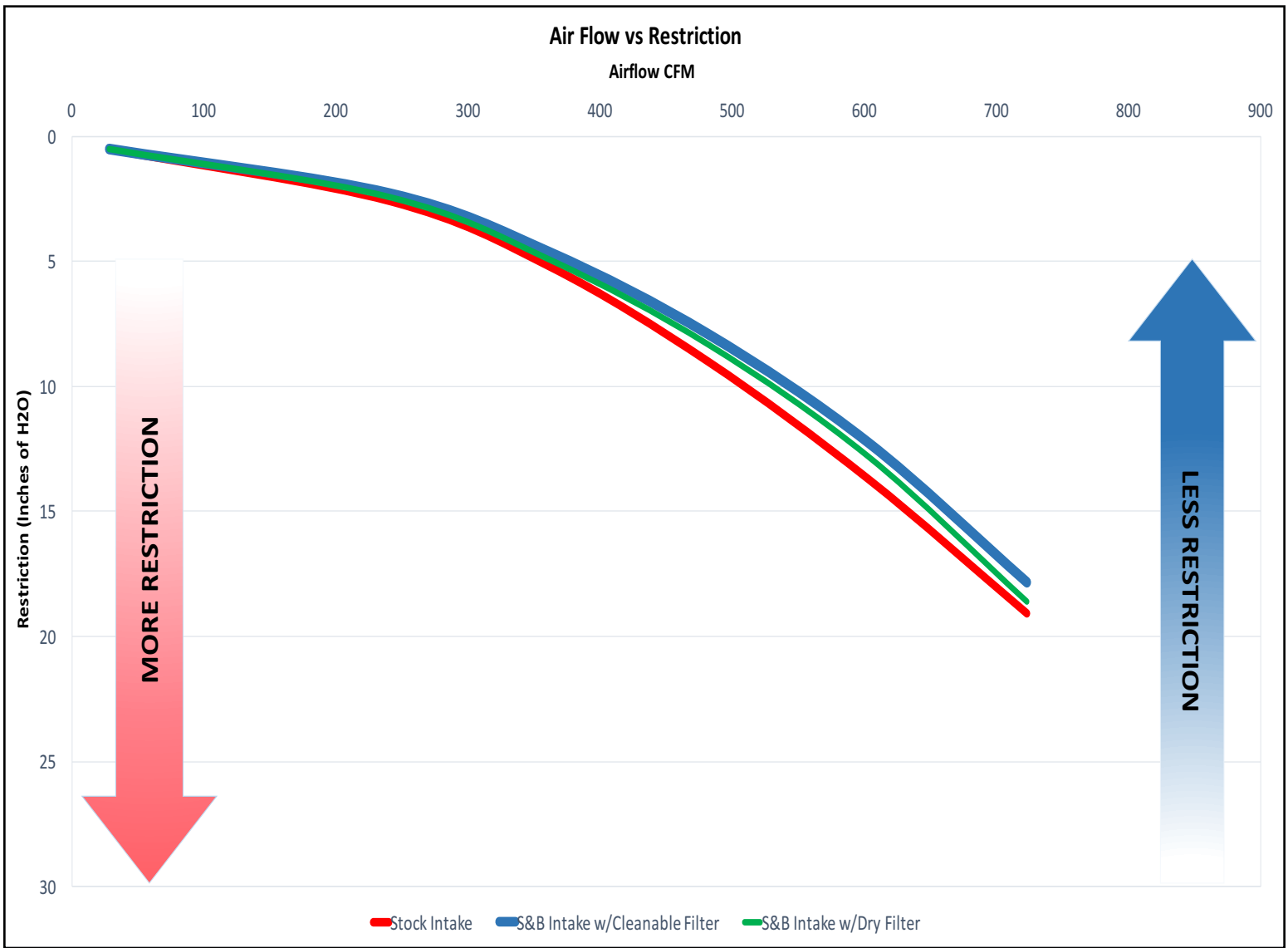
**FACT: S&B Protects Your Engine**

S&B tests at the highest rated CFM for your vehicle when determining the efficiency rate (amount of dust the filter stops), so that we can be sure that your engine will be protected.

Description	Efficiency Rate (tested @ 482 cfm)
Stock	99.81%
S&B Intake w/ Cleanable Filter	99.47%
S&B Intake w/ Dry Filter	99.63%

**WATCH OUT: Some Competitors Use the Same Efficiency Rates for Multiple Part Numbers.**

Many send one filter off to a lab to be tested at a low cfm and then publish this efficiency rate for all of their part numbers.



# Air Filter Restriction Test Report

Test #: 473  
Sample #: 1  
Filter #: FA-1883  
Housing #:  
Date Code:

Operator: SD  
Report Date: 11/6/2017  
Filter Mfg.:  
Housing Mfg.:



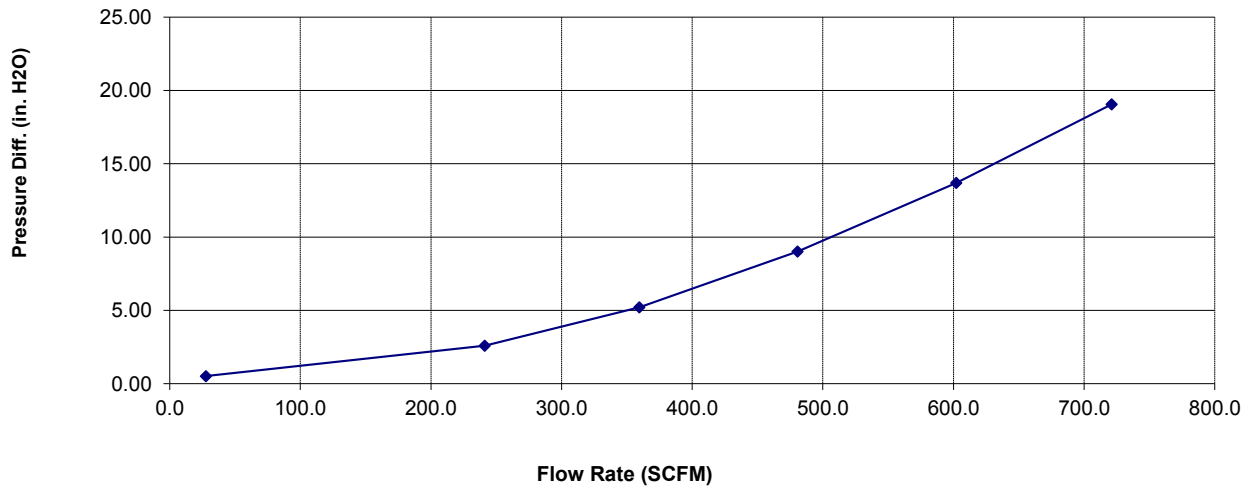
Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR, MOPAR# FA-1883

## Test Conditions

Barometric Pressure: 28.95763 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 51 %  
Temperature: 68 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
28	0.52
241	2.60
360	5.22
481	9.02
602	13.70
721	19.06

# Air Filter Restriction Test Report

Test #: 473  
Sample #: 3  
Filter #: KF-1063  
Housing #:  
Date Code:

Operator: SD  
Report Date: 11/6/2017  
Filter Mfg.:  
Housing Mfg.:



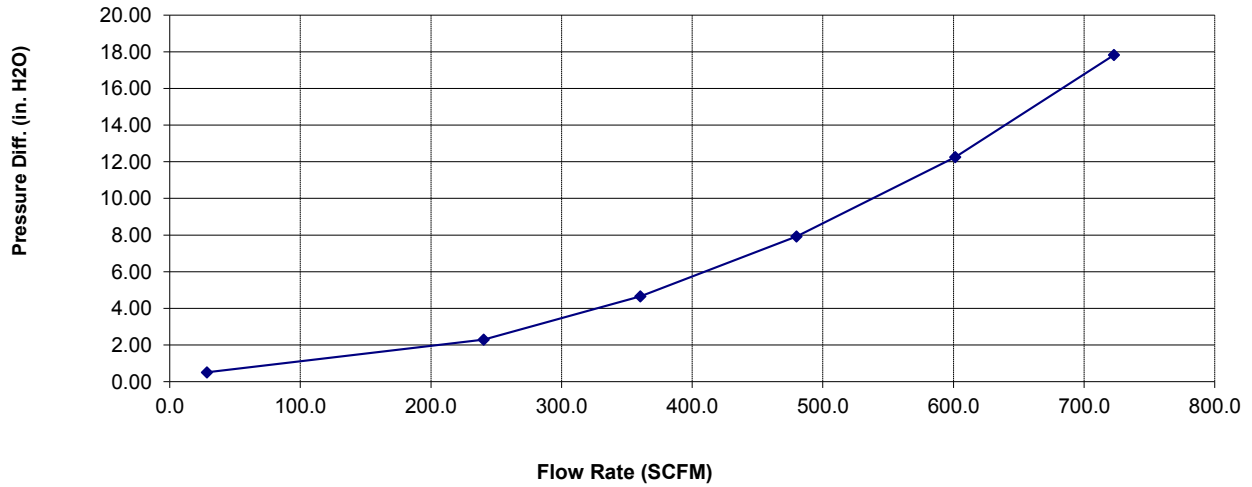
Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063

## Test Conditions

Barometric Pressure: 28.94437 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 50 %  
Temperature: 69 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
29	0.51
240	2.30
360	4.65
480	7.92
601	12.25
723	17.83

# Air Filter Restriction Test Report

Test #: 473  
Sample #: 5  
Filter #: KF-1063D  
Housing #:  
Date Code:

Operator: SD  
Report Date: 11/6/2017  
Filter Mfg.:  
Housing Mfg.:



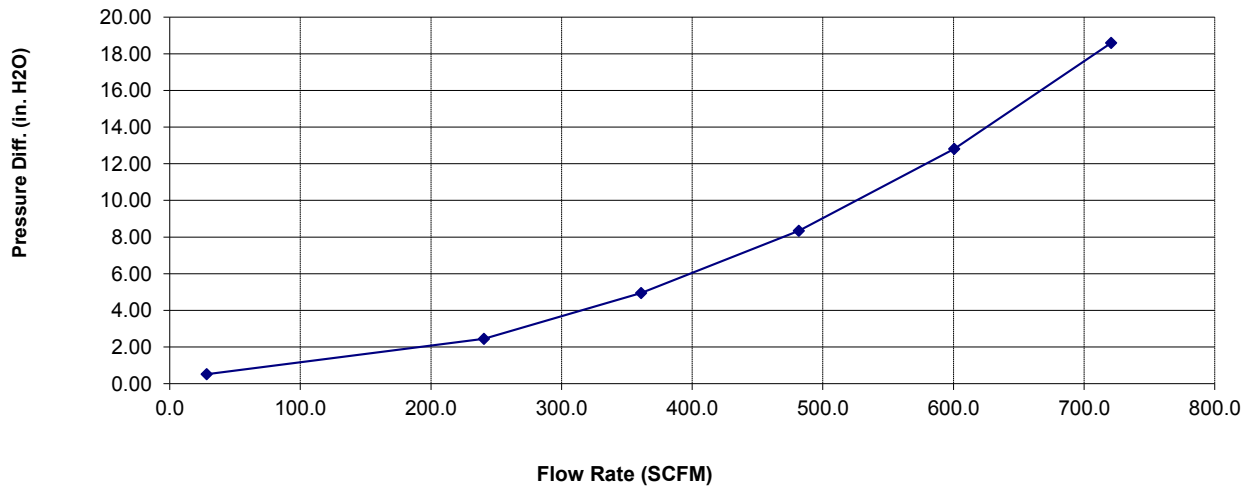
Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063D

## Test Conditions

Barometric Pressure: 28.93375 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 49 %  
Temperature: 68 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
28	0.52
241	2.45
361	4.95
482	8.34
601	12.81
721	18.60



## Air Filter Full Life Efficiency Test Report

**Test #:** 473  
**Sample #:** 4  
**Filter #:** KF-1063  
**Housing #:** 75-5108  
**Date Code:**

**Operator:** SD  
**Report Date:** 11/6/2017  
**Filter Mfg.:**  
**Housing Mfg.:**



**Test Description:** 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063

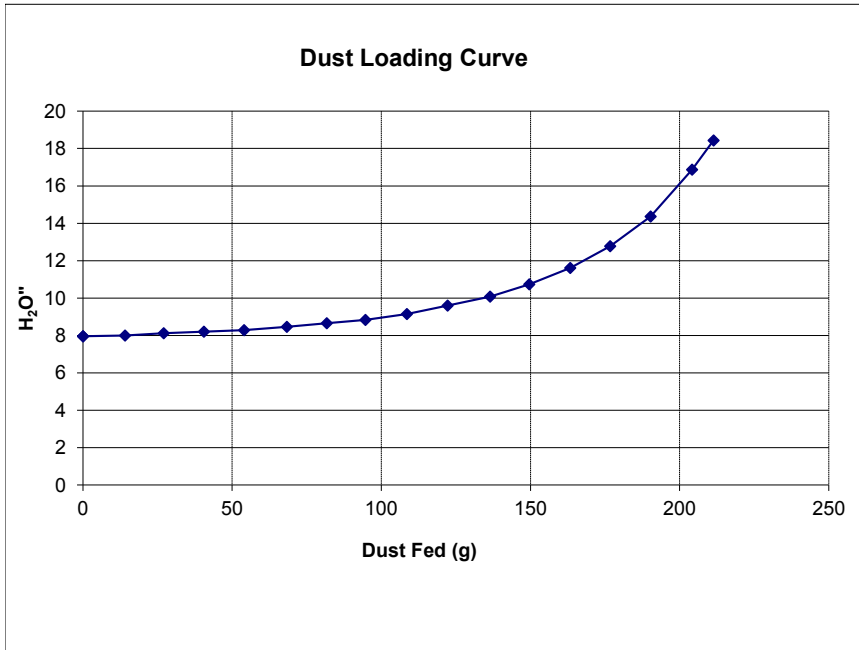
Test Conditions	
<b>Barometric Pressure:</b>	28.907 in. Hg
<b>Air Flow Setpoint:</b>	482 SCFM
<b>Test Procedure:</b>	
<b>Air Flow Type:</b>	SCFM
<b>Test Endpoint:</b>	10 in. H <sub>2</sub> O
<b>Number of Pleats:</b>	
<b>Flow Direction:</b>	
<b>Relative Humidity:</b>	49 %
<b>Type of Dust:</b>	A4 COARSE
<b>Batch #:</b>	13240C
<b>Temperature:</b>	69 deg. F
<b>Initial Add Rate:</b>	NaN g/min
<b>Accumulative Add Rate:</b>	13.65 g/min
<b>Pleat Depth:</b>	in.

Test Results	
<b>Initial Delta P</b>	8.02 in. H <sub>2</sub> O
<b>Accumulative Capacity:</b>	210.10 g
<b>Test Time:</b>	15.54 min

	Initial		Accumulative	
		Blanket		Blanket
Start			6565.90	142.53
End			6776.00	143.64
Gain			210.10	1.11
Efficiency			99.47%	

- Standard Restriction
- Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	Pressure (inches H <sub>2</sub> O)
0	7.956
14.069	8.001
27.027	8.116
40.512	8.196
53.964	8.276
68.342	8.459
81.732	8.655
94.677	8.827
108.553	9.14
122.249	9.591
136.513	10.078
149.587	10.732
163.323	11.605
176.761	12.768
190.276	14.363
204.163	16.87
211.353	18.432





















