



Automotive & Powersports

# THE FACTS ABOUT YOUR INTAKE & AIR FILTER

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

<b>Part Number:</b>	<b>Test Date:</b>
<b>Description:</b>	<b>Test Report #:</b>
<b>Vehicle Applications:</b>	

## 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!

<p><b>FACT: S&amp;B Flows _____ Better than Stock.</b>          In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&amp;B's intake kit (and filter) had significantly lower restriction (better airflow) than the stock intake system. See the graph on the next page.</p>	<p><b>WATCH OUT: Some competitors overstate airflow.</b>          If they state that their filter will flow, let's say 1000 cfm, without stating at what restriction level, they are trying to mislead you.</p>
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Description	% S&B Flowed Better than Stock (tested @ _____ cfm)	Test Conditions
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)		Barometric Pressure
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)		Airflow Setpoint
S&B Intake w/ Dry Filter (Secondary Inlet - Open)		Relative Humidity
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)		Temperature
		Type of Dust
		Batch #
		Dust Feed Rate (grams/minute)

<p><b>FACT: S&amp;B Protects Your Engine</b>          S&amp;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</p>	<table border="1"> <thead> <tr> <th>Description</th> <th>Efficiency Rate (Tested @ _____ cfm)</th> </tr> </thead> <tbody> <tr> <td>Stock</td> <td></td> </tr> <tr> <td>S&amp;B Intake w/ Cleanable Filter</td> <td></td> </tr> <tr> <td>S&amp;B Intake w/ Dry Filter</td> <td></td> </tr> </tbody> </table>	Description	Efficiency Rate (Tested @ _____ cfm)	Stock		S&B Intake w/ Cleanable Filter		S&B Intake w/ Dry Filter		<p><b>WATCH OUT: Some Competitors Use the Same Efficiency Rates for Multiple Part Numbers</b>          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</p>
Description	Efficiency Rate (Tested @ _____ cfm)									
Stock										
S&B Intake w/ Cleanable Filter										
S&B Intake w/ Dry Filter										

RESET FORM

# Air Filter Restriction Test Report

Test #: 917 5R  
Sample #:  
Filter #: KF-1087  
Housing #: 75-5160  
Date Code: 2023.08.16

JM  
8/22/2023  
S&B  
S&B



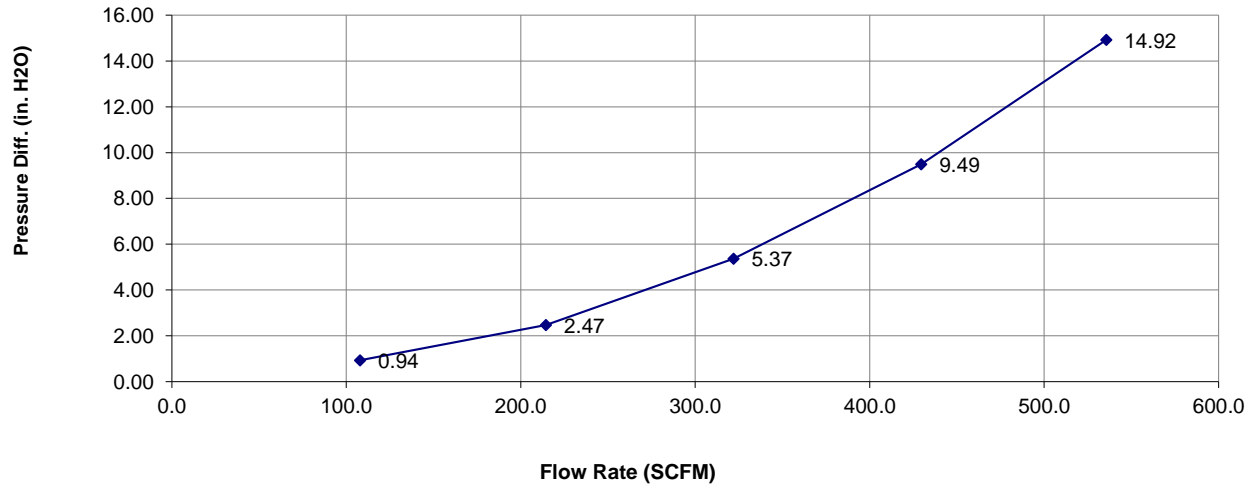
Test Description: 75-5160 NO Box Plug, Proto Scoop, 85 PL, 96 grams, Restriction Test

## Test Conditions

Barometric Pressure: 28.70907 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 85  
Flow Direction:

Relative Humidity: 51 %  
Temperature: 73 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
108	0.94
214	2.47
322	5.37
429	9.49
536	14.92

# Air Filter Restriction Test Report

Test #: 917 6R  
Sample #:  
Filter #: KF-1087  
Housing #: 75-5160  
Date Code: 2023.08.16

JM  
8/22/2023  
S&B  
S&b



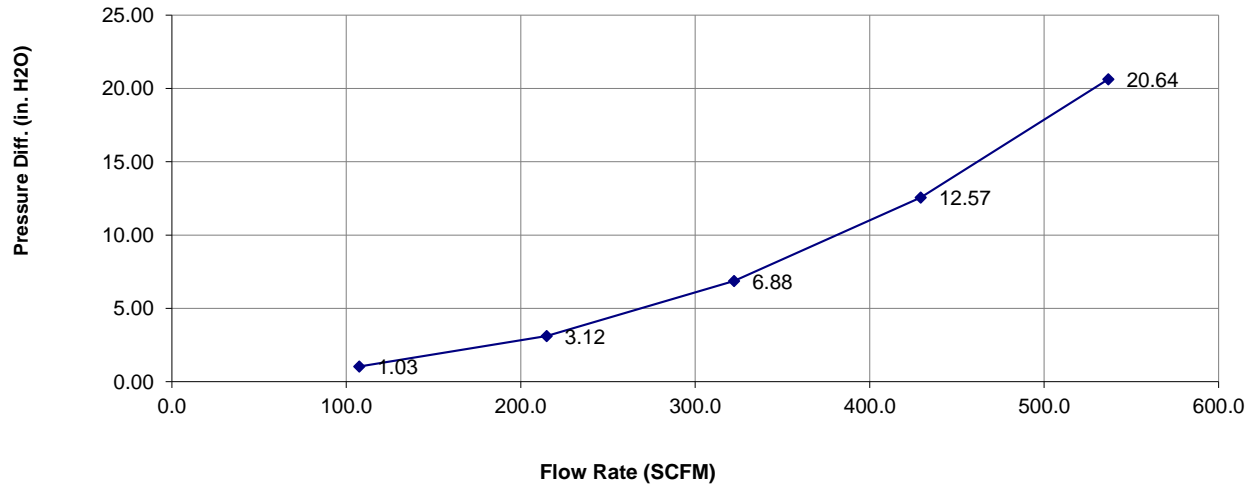
Test Description: 75-5160 with Box Plug, Proto Scoop, 85 PL, 96 grams, Restriction Test

## Test Conditions

Barometric Pressure: 28.70484 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 85  
Flow Direction:

Relative Humidity: 51 %  
Temperature: 73 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
107	1.03
215	3.12
322	6.88
429	12.57
537	20.64



# Air Filter Restriction Test Report

Test #: 917 3R  
Sample #:  
Filter #: KF-1087D  
Housing #: 75-5160  
Date Code: 2023.08.16

JM  
8/23/2023  
S&B  
S&B



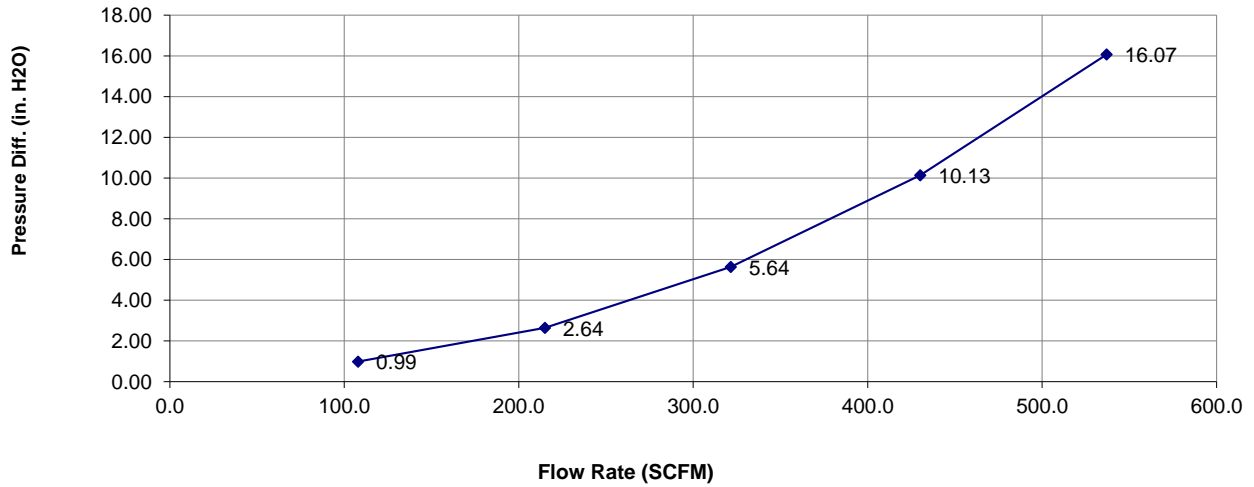
Test Description: 75-5160 NO Box Plug, KF-1087D 135pl, 15g Restriction Test

## Test Conditions

Barometric Pressure: 28.71679 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 135  
Flow Direction:

Relative Humidity: 54 %  
Temperature: 74 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
108	0.99
215	2.64
322	5.64
430	10.13
537	16.07

# Air Filter Restriction Test Report

Test #: 917 4R  
Sample #:  
Filter #: KF-1087D  
Housing #: 75-5160  
Date Code: 2023.08.16

JM  
8/23/2023  
S&B  
S&B



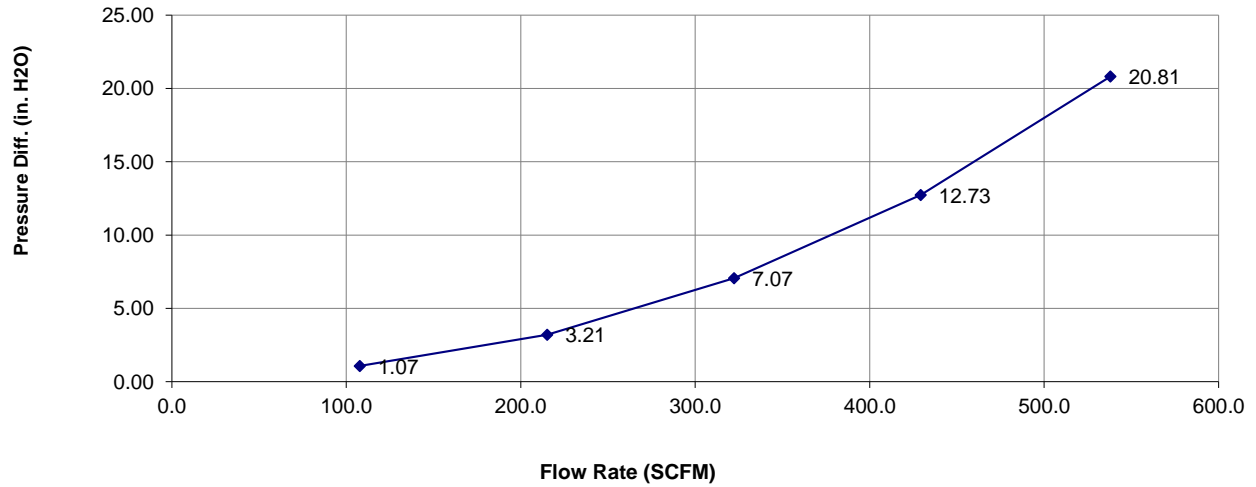
Test Description: 75-5160 with Box Plug, KF-1087D 135pl, 15g Restriction Test

## Test Conditions

Barometric Pressure: 28.71099 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 135  
Flow Direction:

Relative Humidity: 53 %  
Temperature: 73 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

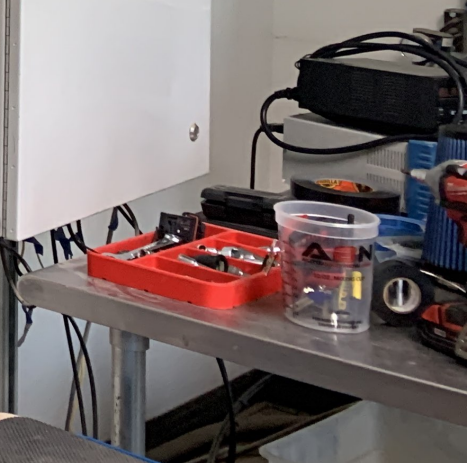
<u>Flow Rate</u>	<u>Differential Pressure</u>
108	1.07
215	3.21
322	7.07
429	12.73
538	20.81







FILTERS  
www.sbfilters.com







CAUTION

amazon tripod

RS.com





CAUTION  
DO NOT OPERATE  
MACHINE UNLESS  
GUARDING SYSTEM  
IS IN CONTROL

amreth

# Air Filter Restriction Test Report

Test #: 917 1R  
Sample #: 1R  
Filter #: FORD BRONCO  
Housing #: 2021 FORD BRONCO, 2.3L  
Date Code: 45154

EM  
8/22/2023  
FORD  
FORD



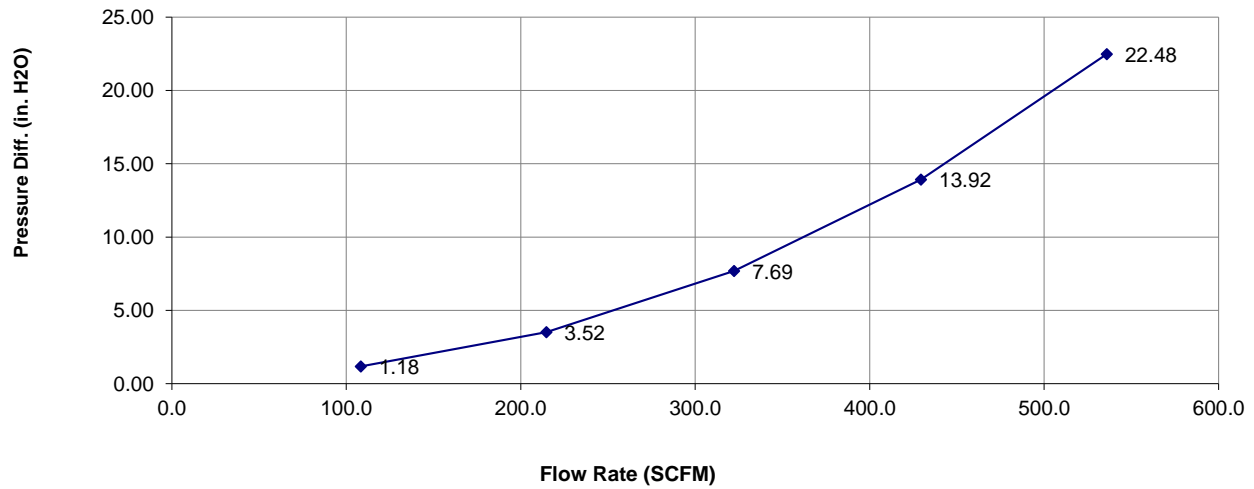
Test Description: 2021 FORD BRONCO 2.3L, RESTRICTION TEST

## Test Conditions

Barometric Pressure: 28.74469 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 53 %  
Temperature: 73 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
108	1.18
215	3.52
322	7.69
429	13.92
536	22.48







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WARNING  
EMERGENCY STOP







