



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										













**DANGER**  
PELIGRO

MORE DO  
FILL  
DO  
RE

# Air Filter Restriction Test Report

Test #: 798-03R  
Sample #:  
Filter #:  
Housing #:  
Date Code: 43906

DC  
3/16/2020  
CHRYSLER  
CHRYSLER



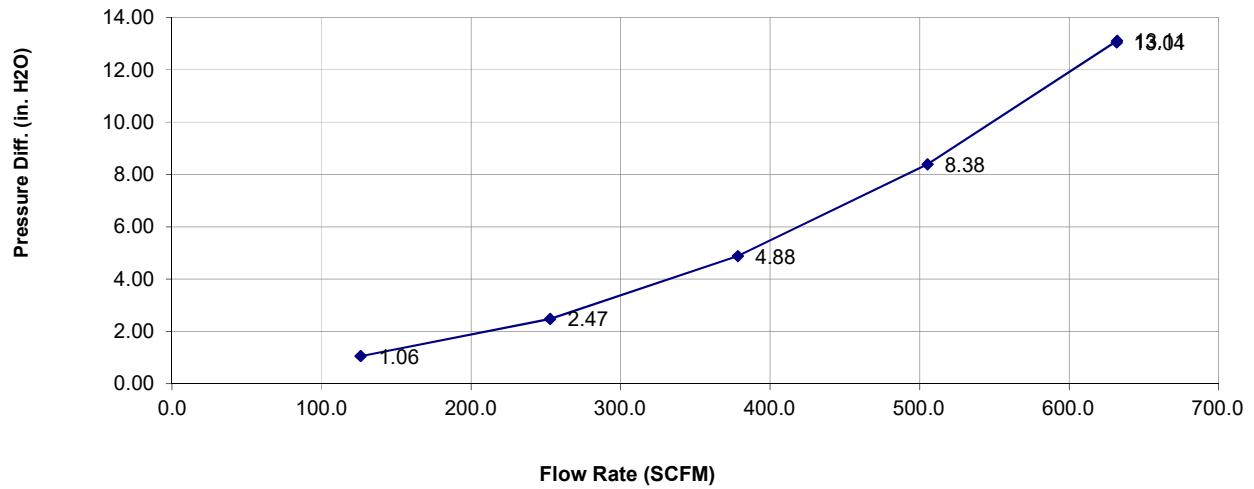
Test Description: 19-20 RAM HEMI 6.4L Stock Restriction

## Test Conditions

Barometric Pressure: 28.86203 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 36 %  
Temperature: 72 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	1.06
253	2.47
378	4.88
505	8.38
632	13.11
632	13.04



# Air Filter Restriction Test Report

Test #: 798-04R  
Sample #:  
Filter #: KF-1078D  
Housing #: AL1358B-00  
Date Code: 43906

DC  
3/16/2020  
S&B  
S&B



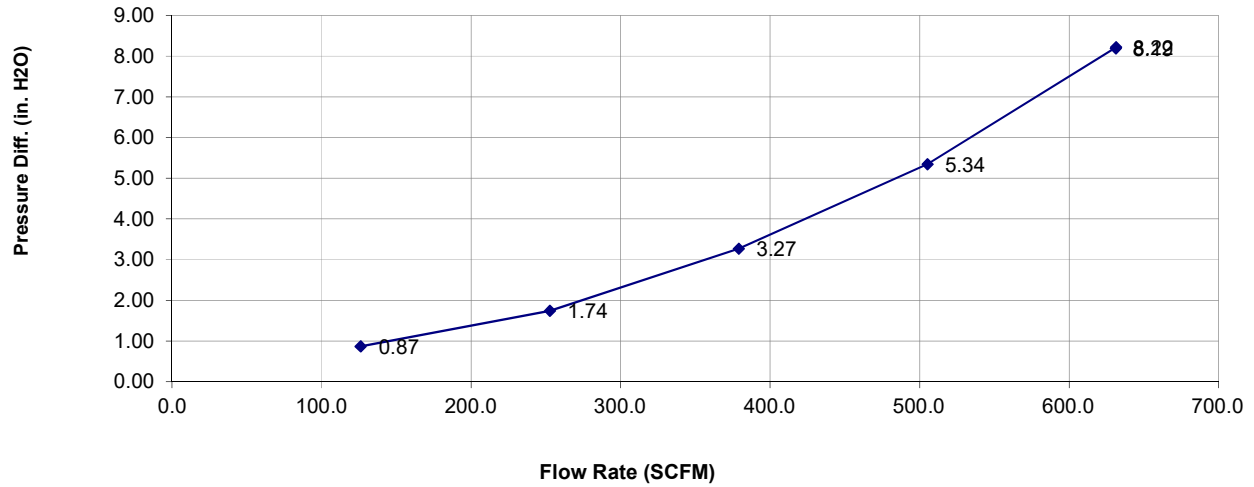
Test Description: 19-20 RAM HEMI 6.4L 75-5133 75-5078D 100 PLEATS RESTRICTION

## Test Conditions

Barometric Pressure: 28.85326 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 100  
Flow Direction:

Relative Humidity: 36 %  
Temperature: 71 deg. F  
Pleat Depth: 1 in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	0.87
253	1.74
379	3.27
505	5.34
631	8.22
631	8.19

# Air Filter Restriction Test Report

Test #: 798-05R  
Sample #:  
Filter #: KF-1078D  
Housing #: AL1358B-00  
Date Code: 43906

DC  
3/16/2020  
S&B  
S&B



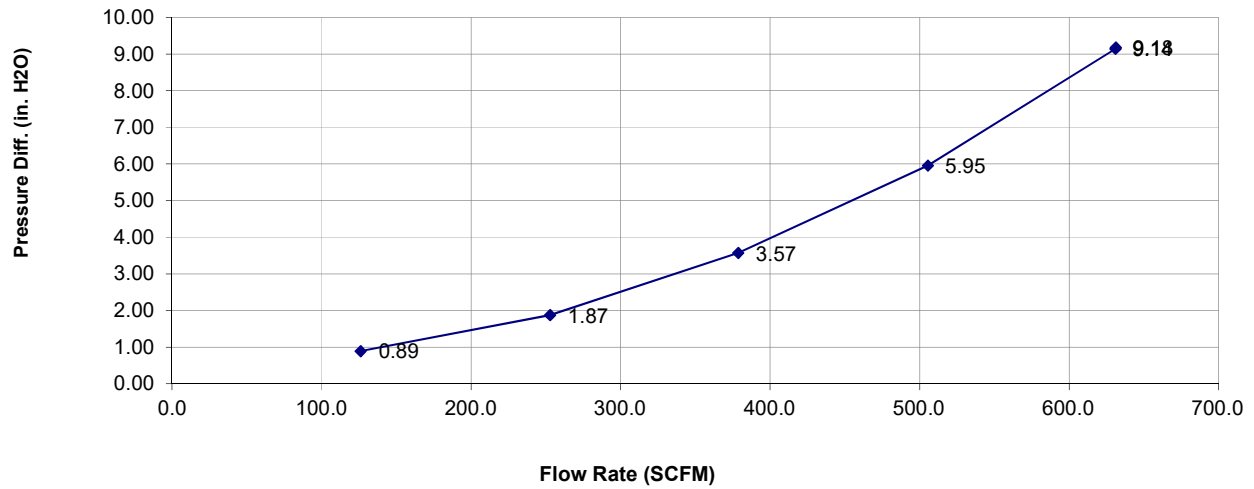
Test Description: 19-20 RAM HEMI 6.4I 75-5133 KF-1078D PLUG ON 100 PLEATS RESTRICTION

## Test Conditions

Barometric Pressure: 28.84671 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 100  
Flow Direction:

Relative Humidity: 35 %  
Temperature: 71 deg. F  
Pleat Depth: 1 in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	0.89
253	1.87
379	3.57
506	5.95
631	9.14
631	9.18

# Air Filter Restriction Test Report

Test #: 798-06R  
Sample #:  
Filter #: KF-1078  
Housing #: AL1358B-00  
Date Code: 43906

DC  
3/16/2020  
S&B  
S&B



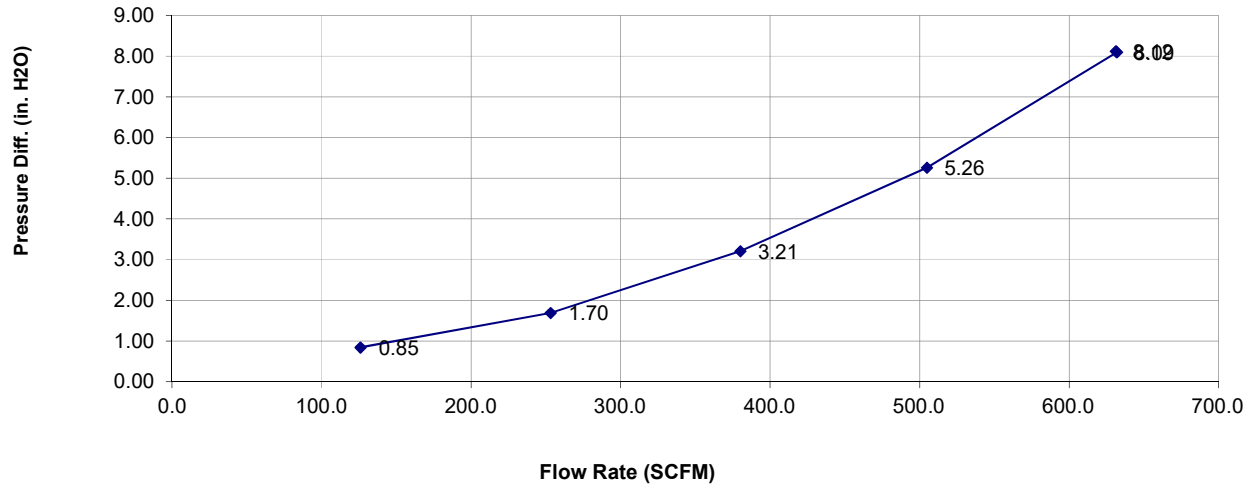
Test Description: 19-20 RAM HEMI 6.4L 75-5133 PLUG OFF KF-1078 85 PLEATS RESTRICTION

## Test Conditions

Barometric Pressure: 28.83882 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 85  
Flow Direction:

Relative Humidity: 35 %  
Temperature: 71 deg. F  
Pleat Depth: 1 in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	0.85
253	1.70
380	3.21
505	5.26
632	8.09
631	8.12

# Air Filter Restriction Test Report

Test #: 798-07R  
Sample #:  
Filter #: KF-1078  
Housing #: AL1358B-00  
Date Code: 43906

DC  
3/16/2020  
S&B  
S&B



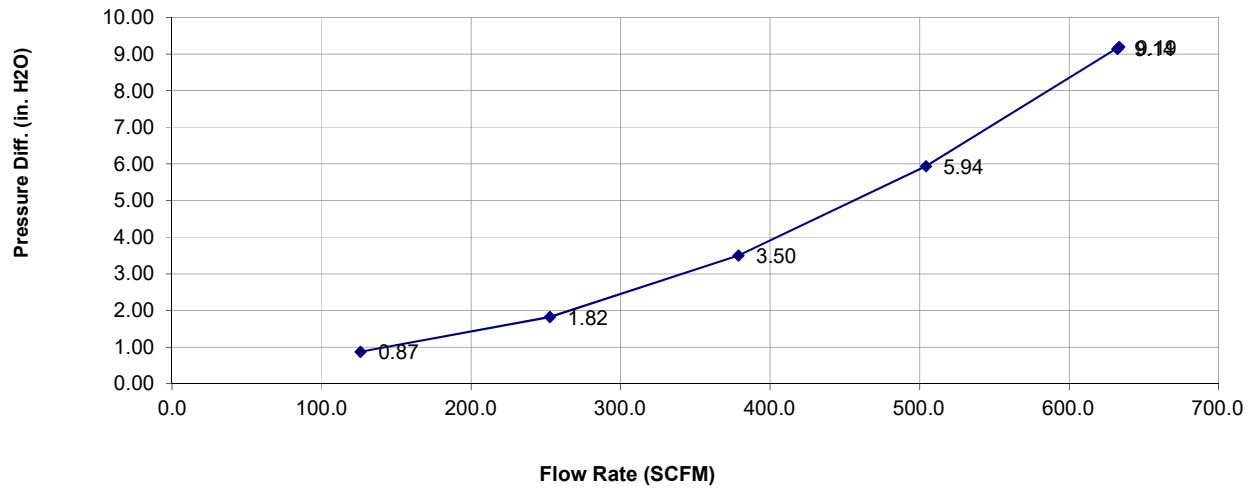
Test Description: 19-20 RAM HEMI 6.4L 75-5133 PLUG ON KF-1078 85 PLEATS RESTRICTION

## Test Conditions

Barometric Pressure: 28.83711 in. Hg  
Air Flow Type: SCFM  
Number of Pleats: 85  
Flow Direction:

Relative Humidity: 35 %  
Temperature: 71 deg. F  
Pleat Depth: 1 in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	0.87
253	1.82
379	3.50
504	5.94
633	9.19
632	9.14