



THE FACTS ABOUT YOUR INTAKE & AIR FILTER

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

Part Number:	Test Date:
Description:	Test Report #:
Vehicle Applications:	

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>FACT: S&B Flows _____ 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.</p>	<p>WATCH OUT: Some competitors overstate airflow. 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>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</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&B Intake w/ Cleanable Filter</td> <td></td> </tr> <tr> <td>S&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>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</p>
Description	Efficiency Rate (Tested @ _____ cfm)									
Stock										
S&B Intake w/ Cleanable Filter										
S&B Intake w/ Dry Filter										

Air Filter Restriction Test Report

Test #: 820
Sample #: 1
Filter #: KF-1050
Housing #: 75-5131
Date Code: 04.19.2021

WD
4/20/2021
S&B FILTERS
S&B FILTERS



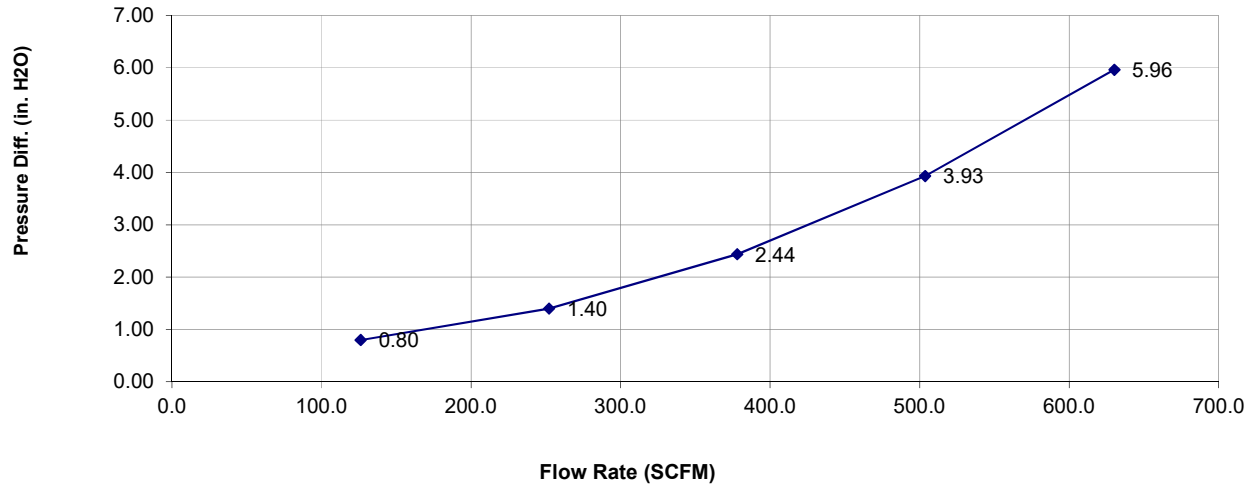
Test Description: 75-5131 WITH KF-1050 AND SECONDARY INLET OPEN

Test Conditions

Barometric Pressure: 28.89564 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 30 %
Temperature: 67 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	0.80
252	1.40
378	2.44
504	3.93
630	5.96

Air Filter Capacity & Efficiency Test Report

Test #: 820
Sample #: 2
Filter #: KF-1050
Housing #: 75-5131
Date Code: 04.19.2021

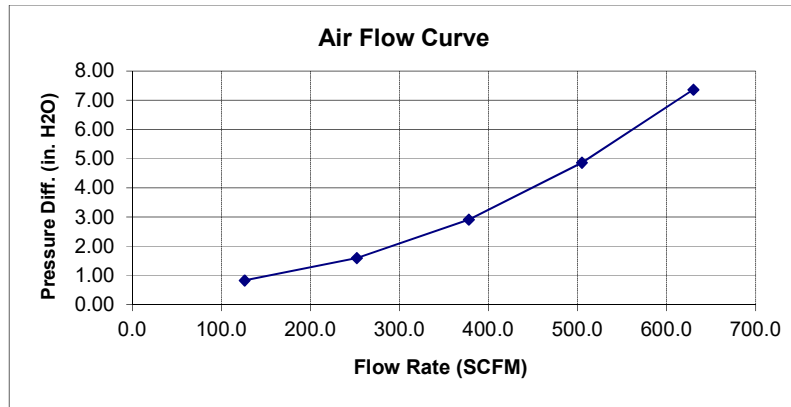
WD
 4/20/2021
 S&B FILTERS
 S&B FILTERS



Test Description: 75-5131 WITH KF-1050 AND SECONDARY INLET CLOSED

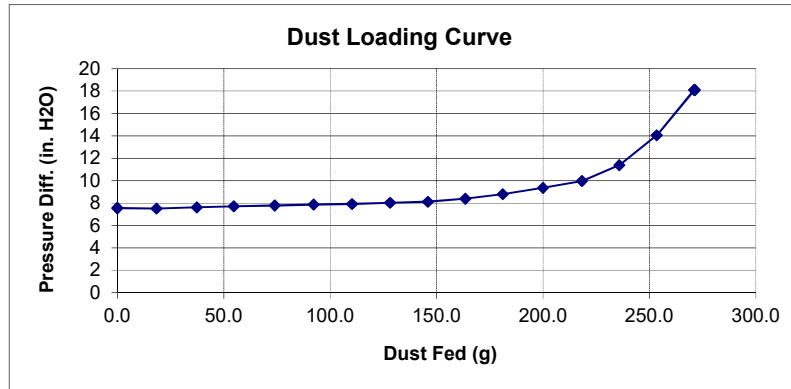
Test Conditions			
Barometric Pressure:	28.809 in. Hg	Relative Humidity:	61 %
Air Flow Setpoint:	631 SCFM	Type of Dust:	A4 COARSE
Test Procedure:	ISO-5011	Batch #:	14057C
Air Flow Type:	SCFM	Temperature:	69 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	17.87 g/min
Flow Direction:		Pleat Depth:	in.

Test Results			
Initial Delta P	7.57 in. H2O	Accumulative Capacity:	262.40 g
		Test Time:	15.02 min
	Initial	Accumulative	
	Blanket	Blanket	
Start		4788.30	574.58
End		5050.70	576.57
Gain		262.40	1.99
Efficiency		99.24%	



Air Flow Curve Data

Flow Rate	Differential Pressure
126	0.83
252	1.60
378	2.92
505	4.86
630	7.36



Dust Curve Selection

Standard Restriction
 Pressure Differential

Air Filter Restriction Test Report

Test #: 820
Sample #: 3
Filter #: KF-1050D
Housing #: 75-5131
Date Code: 04.19.2021

WD
4/20/2021
S&B FILTERS
S&B FILTERS



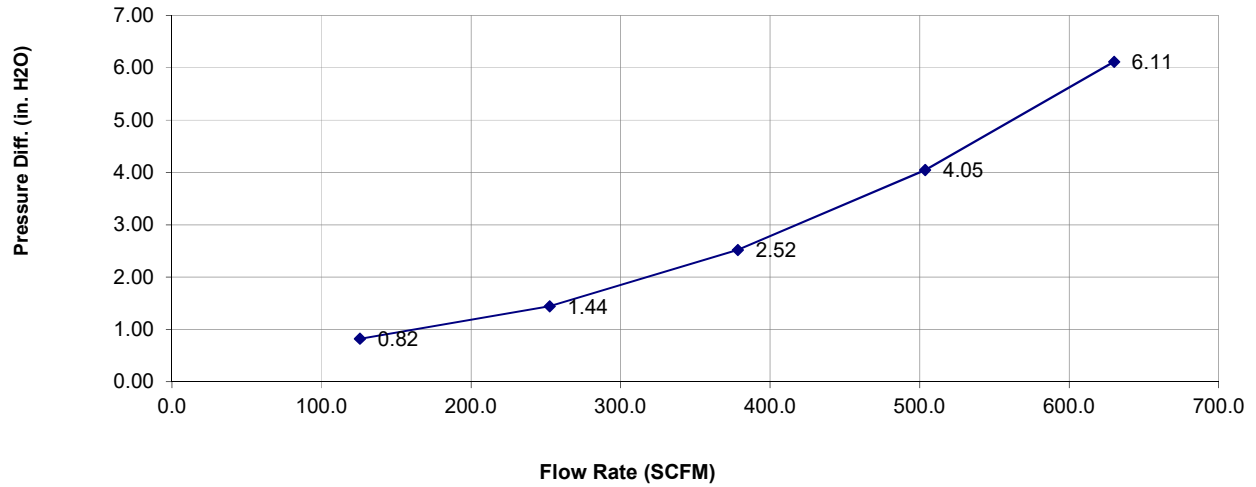
Test Description: 75-5131 WITH KF-1050D AND SECONDARY INLET OPEN

Test Conditions

Barometric Pressure: 28.89289 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 57 %
Temperature: 67 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
126	0.82
252	1.44
378	2.52
504	4.05
630	6.11

Air Filter Capacity & Efficiency Test Report

Test #: 820
Sample #: 4
Filter #: KF-1050D
Housing #: 75-5131
Date Code: 04.19.2021

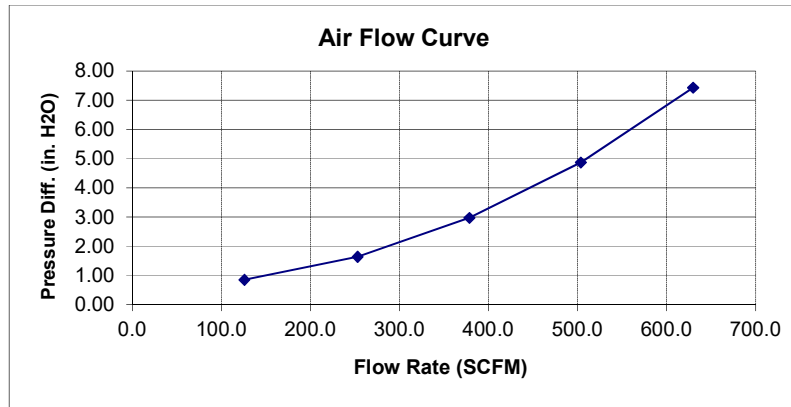
WD
 4/20/2021
 S&B FILTERS
 S&B FILTERS



Test Description: 75-5131 WITH KF-1050D AND SECONDARY INLET CLOSED

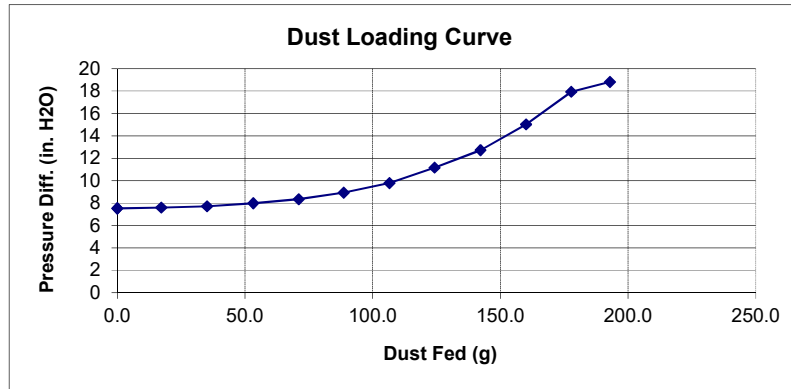
Test Conditions			
Barometric Pressure:	28.735 in. Hg	Relative Humidity:	58 %
Air Flow Setpoint:	631 SCFM	Type of Dust:	A4 COARSE
Test Procedure:	ISO-5011	Batch #:	14057C
Air Flow Type:	SCFM	Temperature:	70 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	17.87 g/min
Flow Direction:		Pleat Depth:	in.

Test Results			
Initial Delta P	7.54 in. H2O	Accumulative Capacity:	196.20 g
		Test Time:	10.07 min
	Initial	Accumulative	
	Blanket	Blanket	
Start		4710.00	587.29
End		4906.20	588.83
Gain		196.20	1.54
Efficiency		99.22%	



Air Flow Curve Data

Flow Rate	Differential Pressure
126	0.86
253	1.65
379	2.97
504	4.87
630	7.43



Dust Curve Selection

Standard Restriction
 Pressure Differential

