



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5116, 75-5116D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2017-2018 Silverado 1500 / Sierra 1500 5.3L 6.2L

Test Date: 02/17/17
Test Report #: 1, 2, 3, 4, 5, 6, 7, 8

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 40.16% 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 @ 419 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	40.16%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	36.07%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	37.43%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	34.02%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	419 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13228C
Dust Feed Rate (grams/minute)	11.86

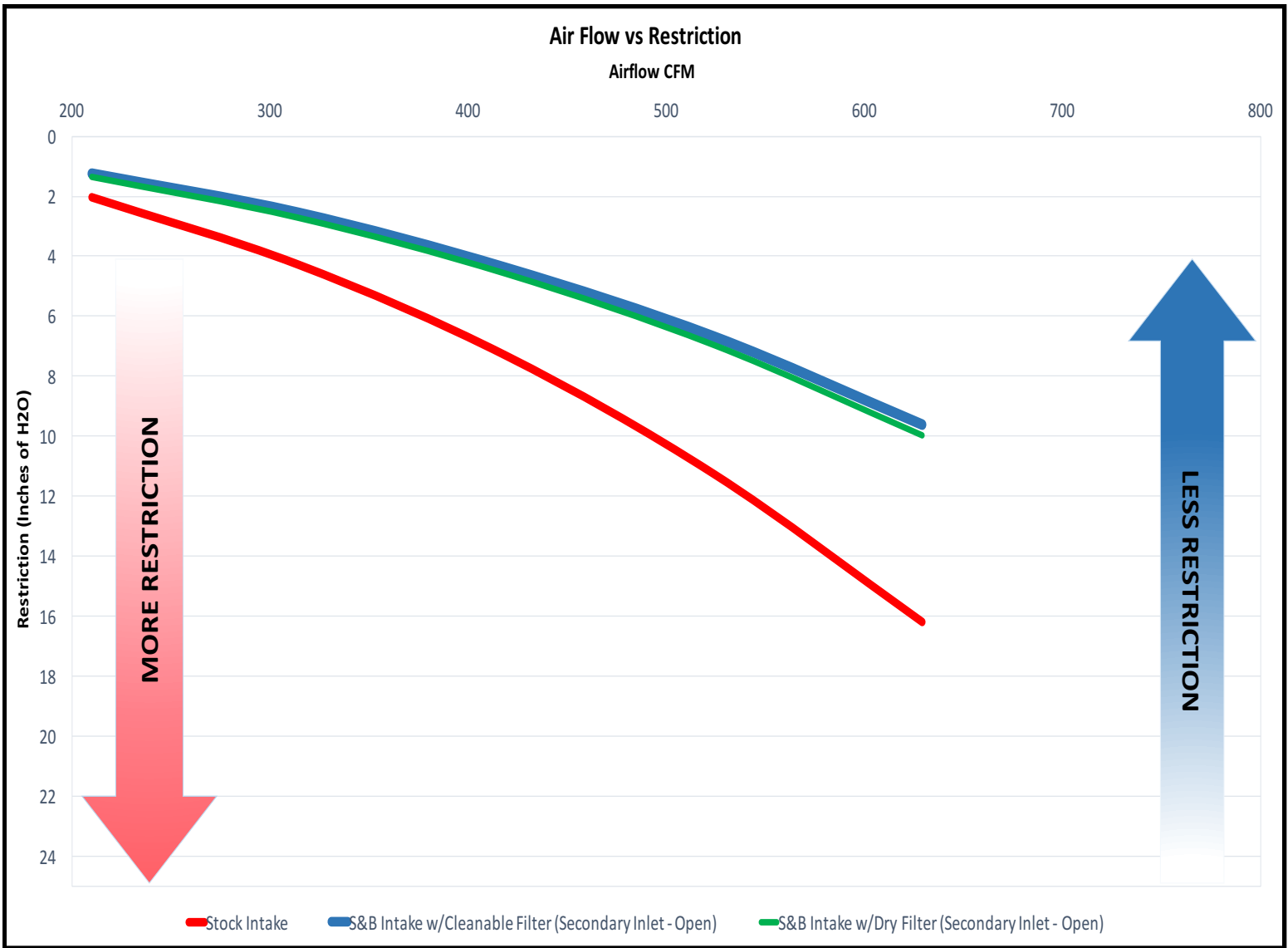
FACT: S&B Protects Your Engine

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 @ 419 cfm)
Stock	99.45%
S&B Intake w/ Cleanable Filter	99.15%
S&B Intake w/ Dry Filter	99.74%

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 #: 404
Sample #: 1
Filter #: A3181C
Housing #:
Date Code:

Operator: SD
Report Date: 2/17/2017
Filter Mfg.:
Housing Mfg.:



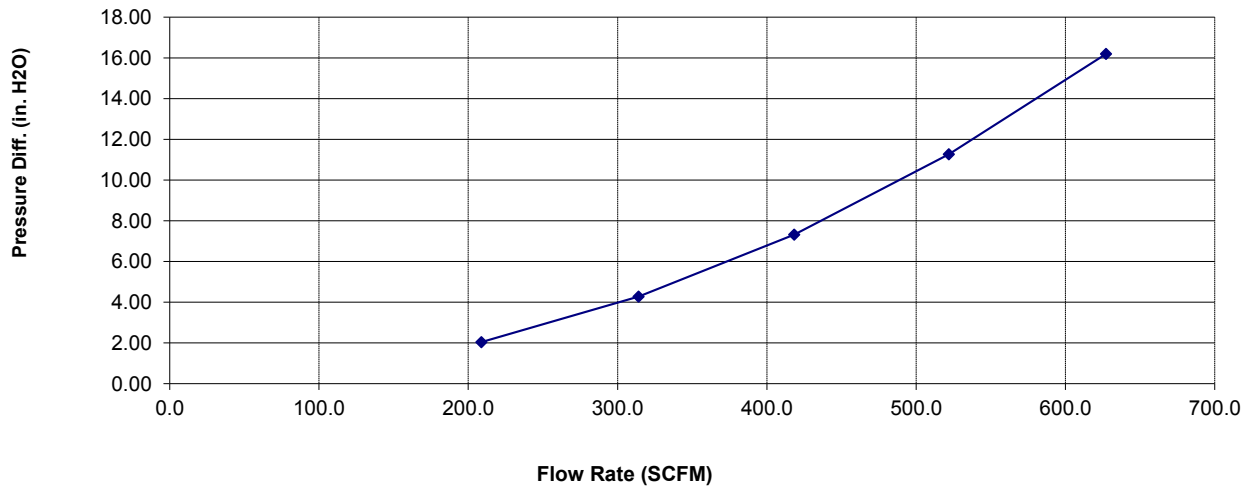
Test Description: STOCK FILTER AND INTAKE, RESONATOR, NO SENSORS, ACDELCO A3181C

Test Conditions

Barometric Pressure: 28.94224 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
209	2.04
314	4.28
418	7.32
522	11.27
627	16.20

Air Filter Restriction Test Report

Test #: 404
Sample #: 3
Filter #: KF-1060D
Housing #: 75-5116
Date Code:

Operator: SD
Report Date: 2/17/2017
Filter Mfg.:
Housing Mfg.:



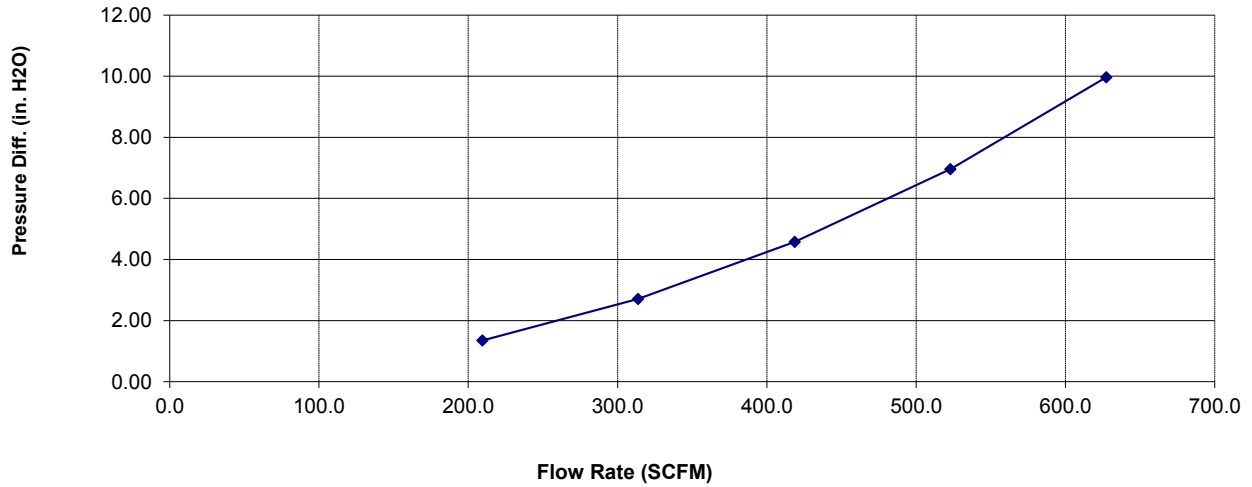
Test Description: 75-5116 PRODUCTION KIT, NO SENSORS, NO CCV, CLEAR LID AND FENDER SEAL INSTALLED
PLUG REMOVED, KF-1060D

Test Conditions

Barometric Pressure: 28.94187 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
210	1.35
314	2.71
419	4.58
523	6.96
627	9.97

Air Filter Restriction Test Report

Test #: 404
Sample #: 4
Filter #: KF-1060D
Housing #: 75-5116
Date Code:

Operator: SD
Report Date: 2/17/2017
Filter Mfg.:
Housing Mfg.:



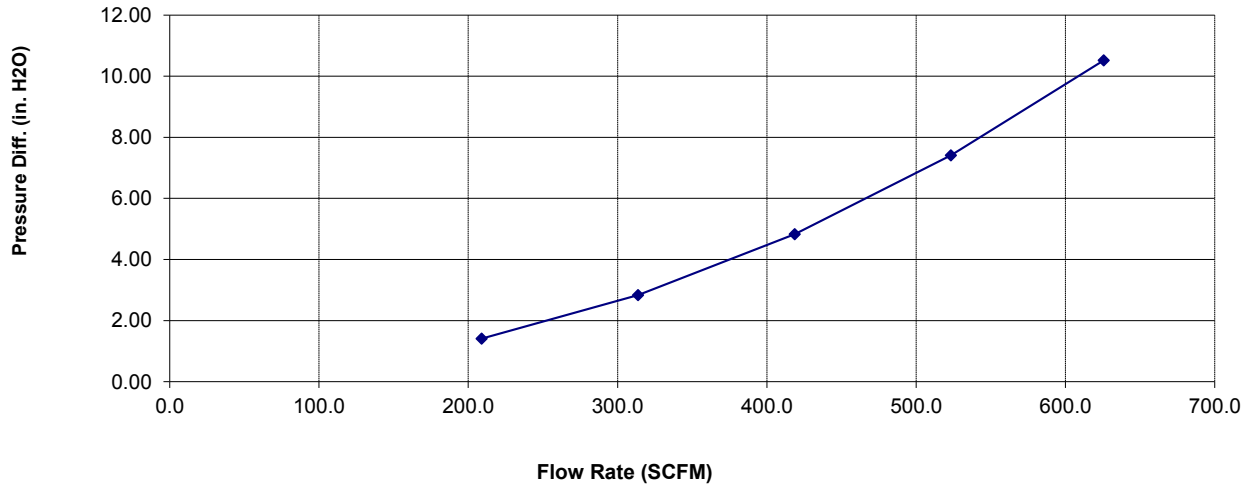
Test Description: 75-5116 PRODUCTION KIT, NO SENSORS, NO CCV, CLEAR LID AND FENDER SEAL INSTALLED, PLUG INSTALLE KF-1060D

Test Conditions

Barometric Pressure: 28.93421 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
209	1.41
314	2.84
419	4.83
523	7.41
626	10.52

Air Filter Restriction Test Report

Test #: 404
Sample #: 5
Filter #: KF-1060
Housing #: 75-5116
Date Code:

Operator: SD
Report Date: 2/17/2017
Filter Mfg.:
Housing Mfg.:



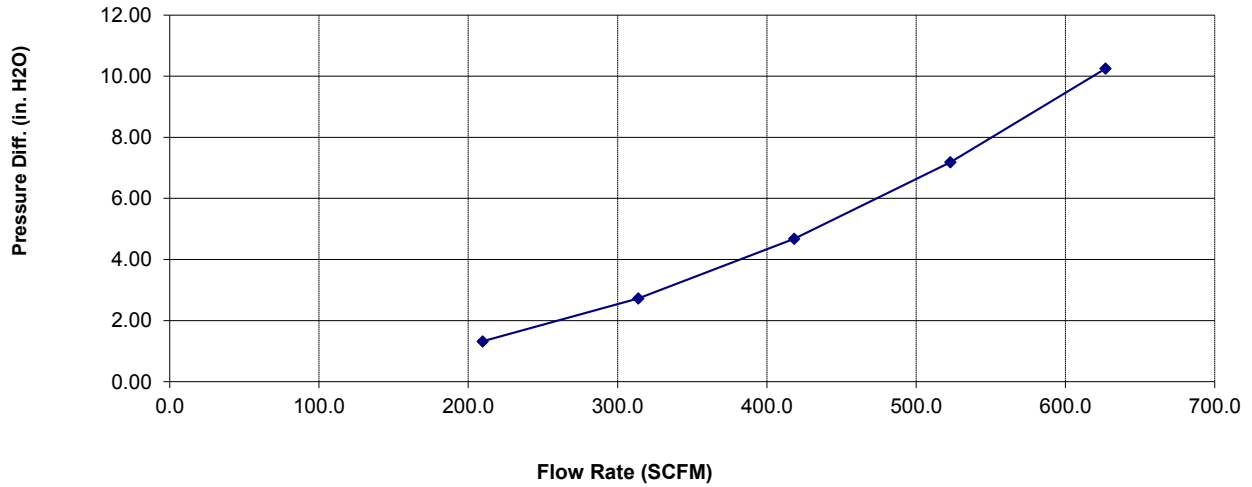
Test Description: 75-5116 PRODUCTION KIT, NO SENSORS, NO CCV, CLEAR LID AND FENDER SEAL INSTALLED, PLUG INSTALLE KF-1060

Test Conditions

Barometric Pressure: 28.92104 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
210	1.32
314	2.73
418	4.68
523	7.19
627	10.25

Air Filter Restriction Test Report

Test #: 404
Sample #: 6
Filter #: KF-1060
Housing #: 75-5116
Date Code:

Operator: SD
Report Date: 2/17/2017
Filter Mfg.:
Housing Mfg.:



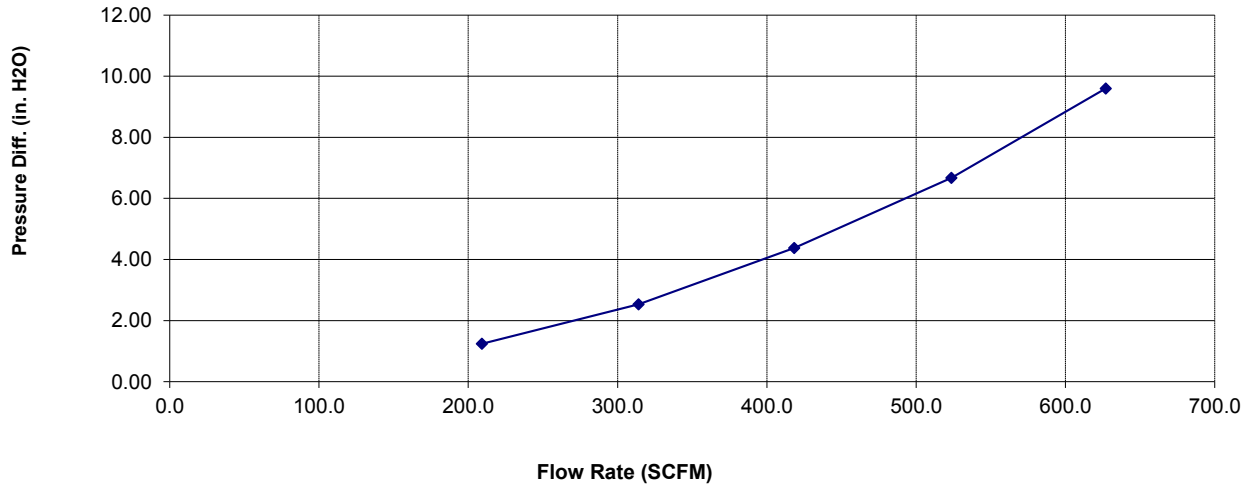
Test Description: 75-5116 PRODUCTION KIT, NO SENSORS, NO CCV, CLEAR LID AND FENDER SEAL INSTALLED, PLUG REMOVED
KF-1060

Test Conditions

Barometric Pressure: 28.92738 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>
209	1.24
314	2.54
418	4.38
524	6.67
627	9.60



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