



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5040, 75-5040D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2003-2008 Dodge Ram 1500 5.7L

Test Date: 08/31/17
Test Report #: 1, 2, 3, 4, 6, 7, 8, 9

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 45.74% 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 @ 435 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	45.74%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	44.14%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	44.67%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	42.43%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	435 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13240C
Dust Feed Rate (grams/minute)	12.32

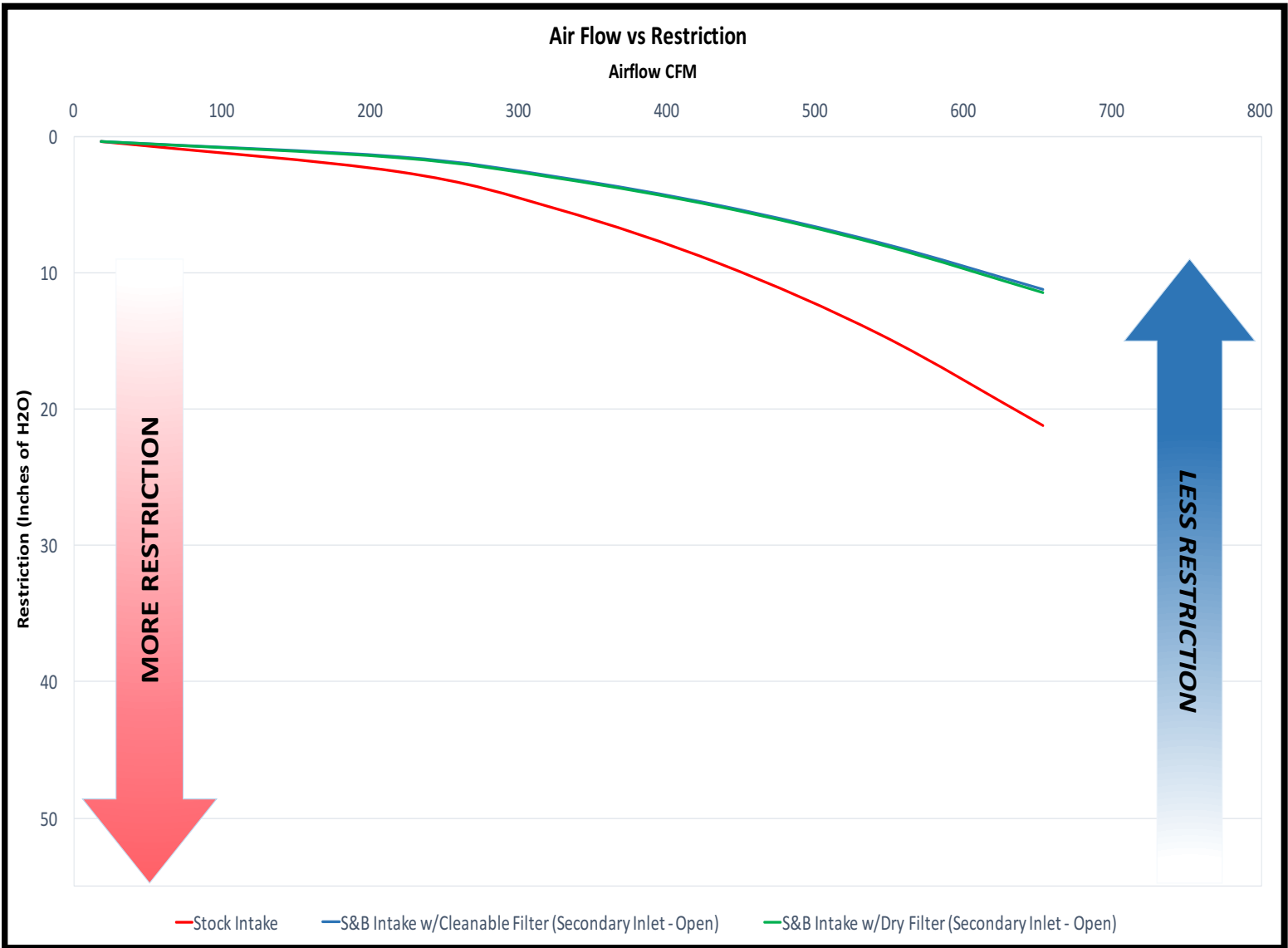
FACT: S&B Protects Your Engine

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 @ 435 cfm)
Stock	99.75%
S&B Intake w/ Cleanable Filter	99.32%
S&B Intake w/ Dry Filter	99.56%

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 #: 423
Sample #: 1
Filter #: 53032404AB
Housing #:
Date Code:

Operator: SD
Report Date: 8/22/2017
Filter Mfg.:
Housing Mfg.:



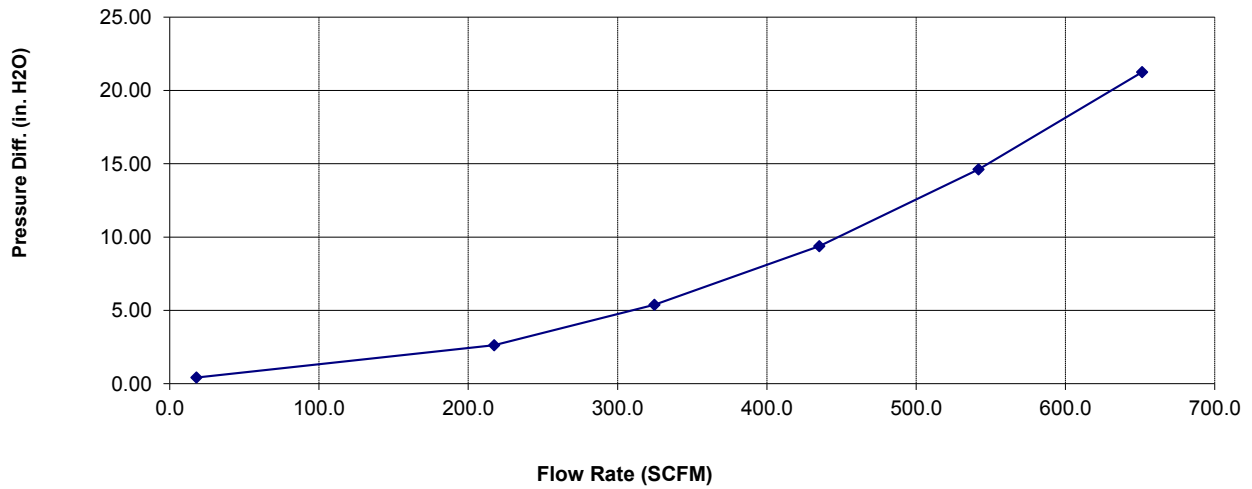
Test Description: STOCK INTAKE AND FILTER, NO CCV, MOPAR# 53032404AB

Test Conditions

Barometric Pressure: 28.75439 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>
18	0.42
217	2.63
325	5.39
435	9.38
542	14.62
651	21.26

Air Filter Restriction Test Report

Test #: 423
Sample #: 3
Filter #: KF-1056
Housing #: 75-5040
Date Code:

Operator: SD
Report Date: 8/22/2017
Filter Mfg.:
Housing Mfg.:



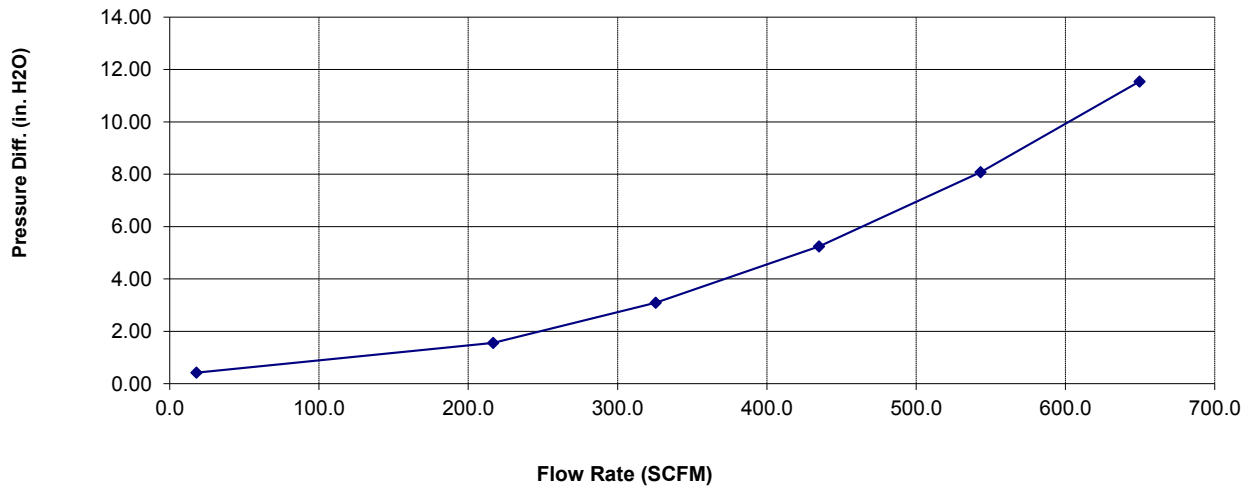
Test Description: 75-5040 PRODUCTION KIT, NO SENSORS, NO CCV, PLUG INSTALLED, KF-1056

Test Conditions

Barometric Pressure: 28.7109 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>
18	0.42
217	1.56
326	3.09
435	5.24
543	8.08
650	11.55

Air Filter Restriction Test Report

Test #: 423
Sample #: 4
Filter #: KF-1056
Housing #: 75-5040
Date Code:

Operator: SD
Report Date: 8/22/2017
Filter Mfg.:
Housing Mfg.:



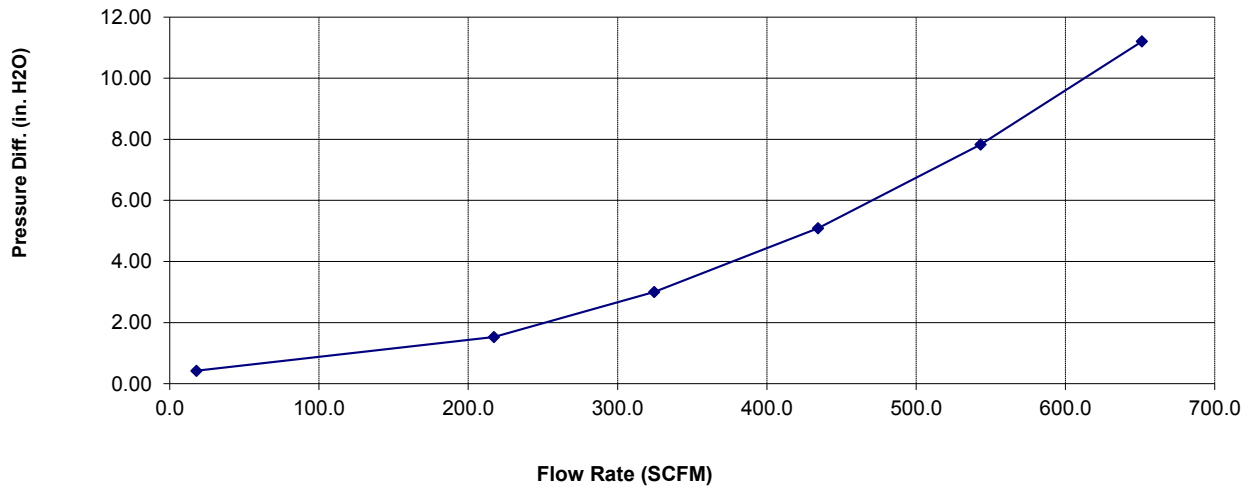
Test Description: 75-5040 PRODUCTION KIT, NO SENSORS, NO CCV, PLUG REMOVED, KF-1056

Test Conditions

Barometric Pressure: 28.71046 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 46 %
Temperature: 66 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
18	0.42
217	1.53
325	3.01
434	5.09
543	7.83
651	11.21

Air Filter Restriction Test Report

Test #: 423
Sample #: 6
Filter #: KF-1056D
Housing #: 75-5040
Date Code:

Operator: SD
Report Date: 8/22/2017
Filter Mfg.:
Housing Mfg.:



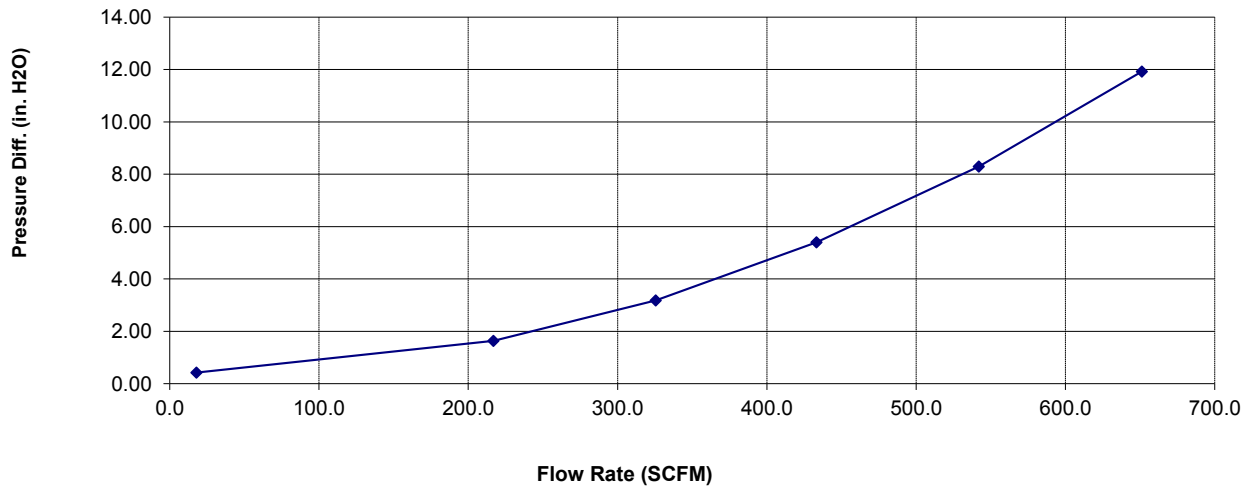
Test Description: 75-5040 PRODUCTION KIT, NO SENSORS, NO CCV, PLUG INSTALLED, KF-1056D

Test Conditions

Barometric Pressure: 28.69303 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>
18	0.42
217	1.63
326	3.19
433	5.40
542	8.30
651	11.93

Air Filter Restriction Test Report

Test #: 423
Sample #: 7
Filter #: KF-1056D
Housing #: 75-5040
Date Code:

Operator: SD
Report Date: 8/22/2017
Filter Mfg.:
Housing Mfg.:



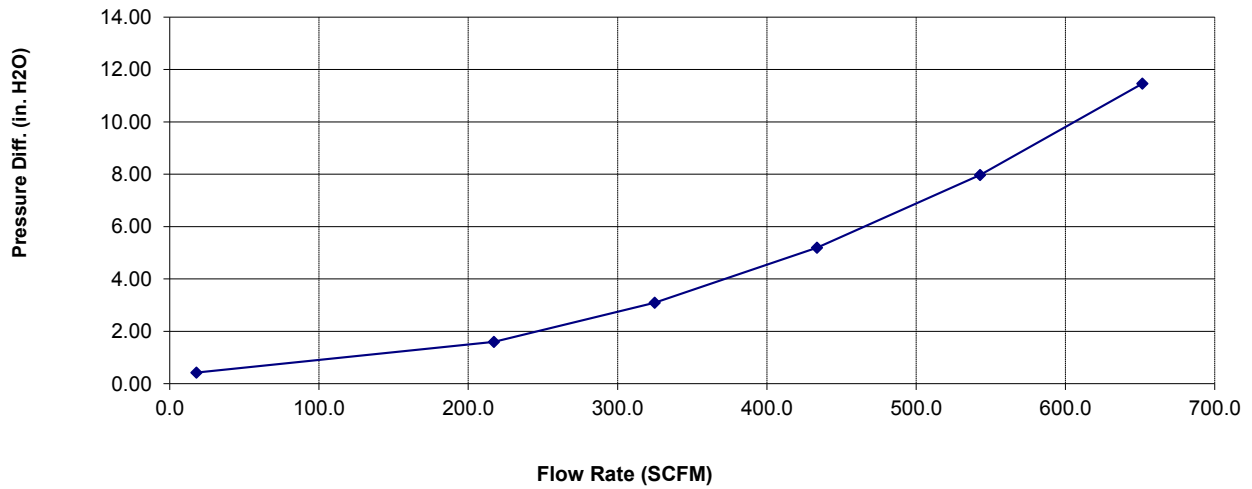
Test Description: 75-5040 PRODUCTION KIT, NO SENSORS, NO CCV, PLUG REMOVED, KF-1056D

Test Conditions

Barometric Pressure: 28.69201 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 47 %
Temperature: 66 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
18	0.42
217	1.60
325	3.10
434	5.19
543	7.97
652	11.46



HEMI
5.7L V8
DODGE MAGNUM



DODGE MAGNUM
HEMI 5.7L V8

DANGER
PELIGRO











