



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5089, 75-5089D

Description: Performance Intake Kit & Filter

Vehicle Applications: 2017 – 2018 GM Colorado / Canyon 3.6L

Test Date: 01/10/2018

Test Report #: 1, 3, 4, 6, 7

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 32.55% 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, let's say 1000 cfm, without stating at what restriction level, they are trying to mislead you.

Description	% S&B Flowed Better than Stock (tested @ 346 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	31.96%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	28.66%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	32.55%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	28.66%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	346 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13521C
Dust Feed Rate (grams/minute)	9.8

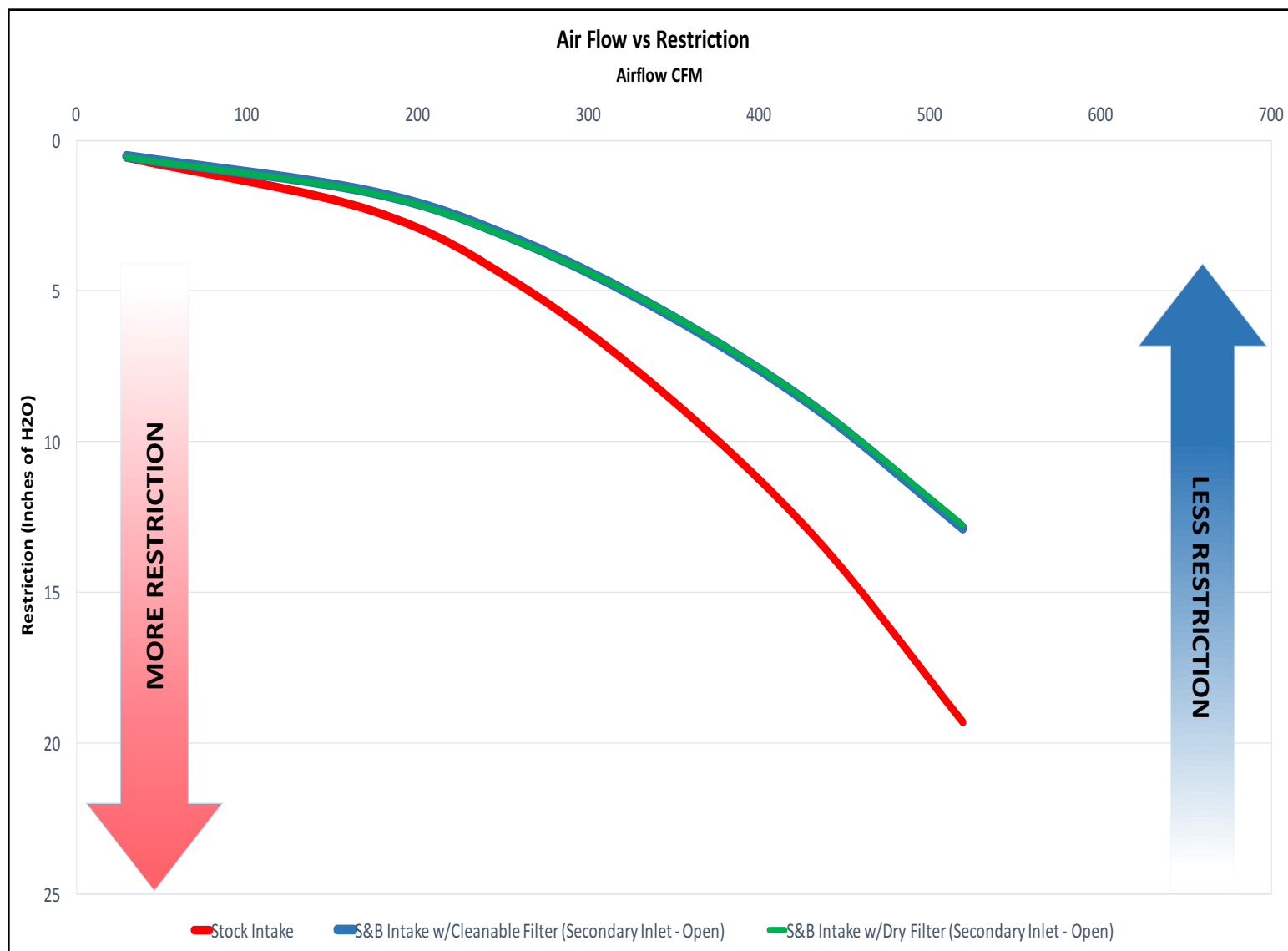
FACT: S&B Protects Your Engine

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 @ 346 cfm)
Stock	99.66%
S&B Intake w/ Cleanable Filter	99.37%
S&B Intake w/ Dry Filter	99.66%

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 #: 477
Sample #: 1
Filter #: A3195C/94775933
Housing #:
Date Code:

Operator: SD
Report Date: 1/10/2018
Filter Mfg.:
Housing Mfg.:



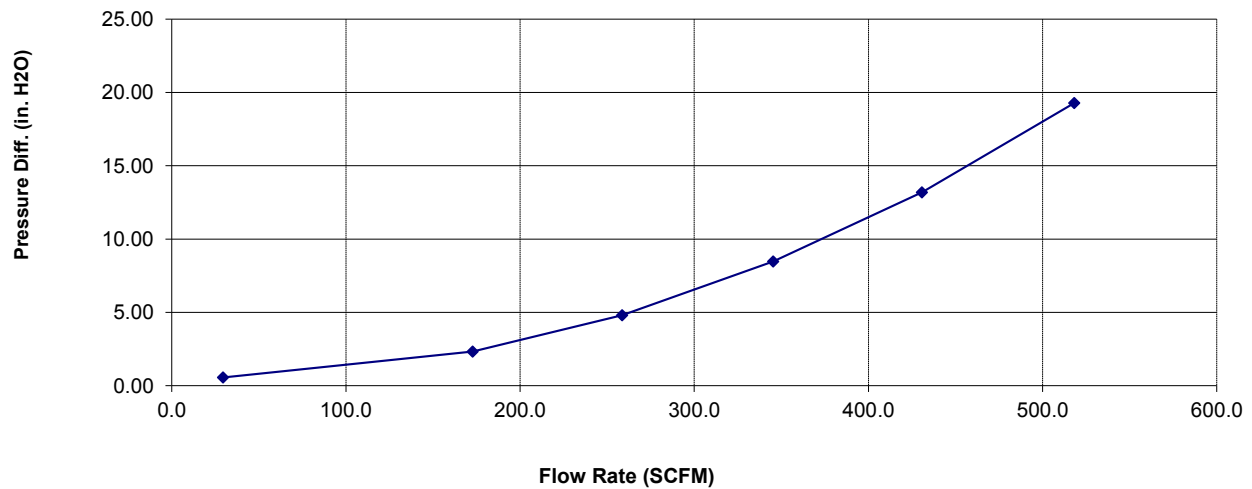
Test Description: STOCK INTAKE AND FILTER, NO SENSOR, NO CCV, FILTER# A3195C/94775933

Test Conditions

Barometric Pressure: 28.62494 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>
29	0.56
173	2.33
259	4.81
345	8.48
431	13.19
518	19.28

Air Filter Restriction Test Report

Test #: 477
Sample #: 3
Filter #: KF-1064
Housing #: 75-5089
Date Code:

Operator: SD
Report Date: 1/10/2018
Filter Mfg.:
Housing Mfg.:



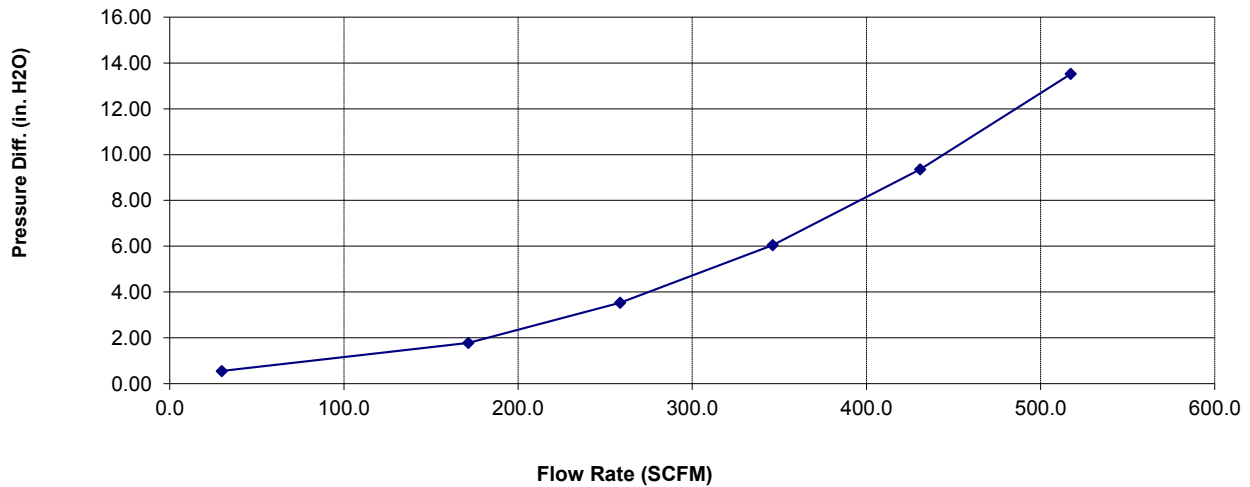
Test Description: 75-5089 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG INSTALLED, KF-1064

Test Conditions

Barometric Pressure: 28.62484 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>
30	0.56
172	1.79
259	3.54
346	6.05
431	9.36
517	13.52

Air Filter Restriction Test Report

Test #: 477
Sample #: 4
Filter #: KF-1064
Housing #: 75-5089
Date Code:

Operator: SD
Report Date: 1/10/2018
Filter Mfg.:
Housing Mfg.:



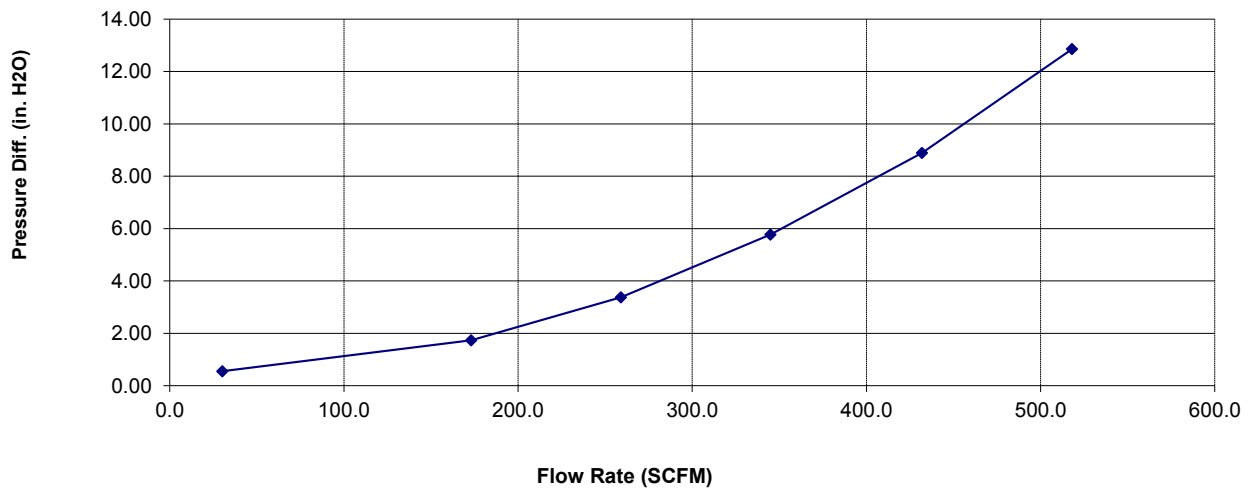
Test Description: 75-5089 INTAKE AND FILTER, NO SENSOR, NO CCV, PLUG REMOVED, KF-1064

Test Conditions

Barometric Pressure: 28.62189 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>
30	0.55
173	1.74
259	3.37
345	5.77
432	8.89
518	12.86

Air Filter Restriction Test Report

Test #: 477
Sample #: 6
Filter #: KF-1064D
Housing #: 75-5089
Date Code:

Operator: SD
Report Date: 1/10/2018
Filter Mfg.:
Housing Mfg.:



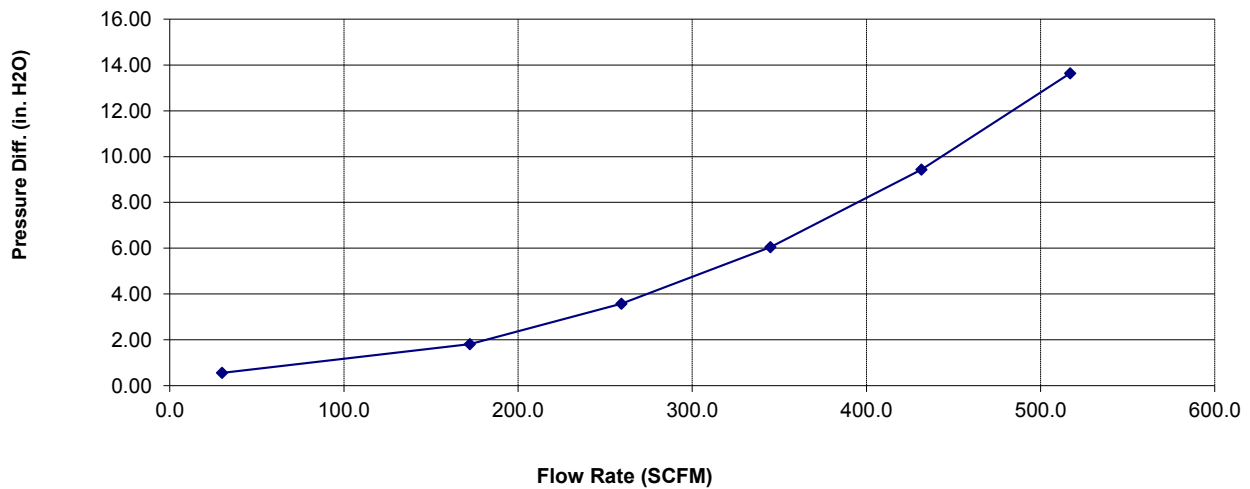
Test Description: 75-5089 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG INSTALLED, KF-1064D

Test Conditions

Barometric Pressure: 28.62112 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>
30	0.56
172	1.82
259	3.58
345	6.05
432	9.43
517	13.64

Air Filter Restriction Test Report

Test #: 477
Sample #: 7
Filter #: KF-1064D
Housing #: 75-5089
Date Code:

Operator: SD
Report Date: 1/10/2018
Filter Mfg.:
Housing Mfg.:



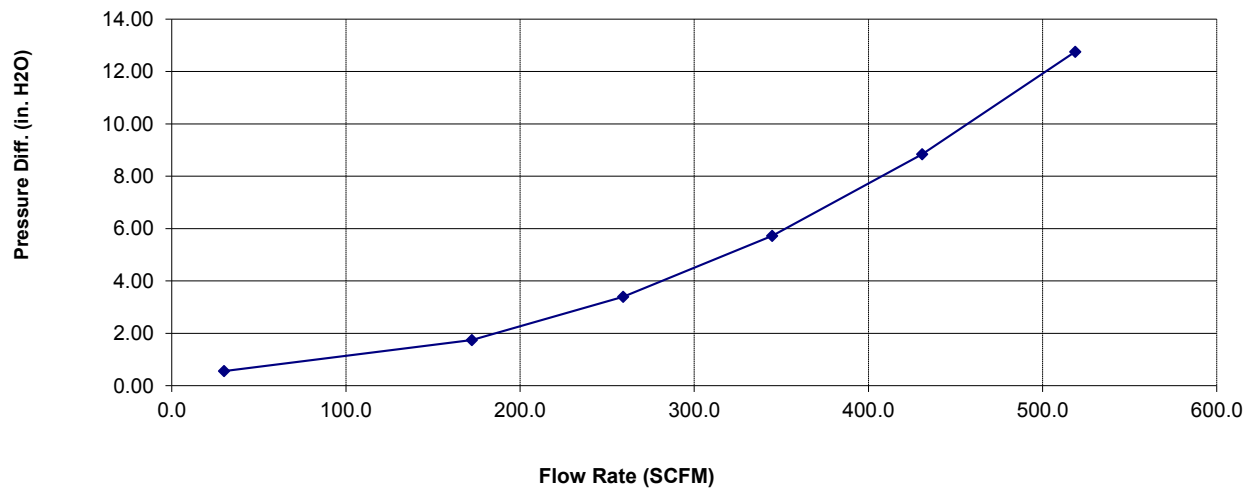
Test Description: 75-5089 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG REMOVED, KF-1064D

Test Conditions

Barometric Pressure: 28.61798 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

Flow Rate	Differential Pressure
30	0.56
172	1.75
259	3.39
345	5.72
431	8.84
519	12.76









