



Automotive & Powersports **THE FACTS ABOUT YOUR INTAKE & AIR**

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

Part Number: 75-5100, 75-5100D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2012 – 2015 Toyota Tacoma 4.0L

Test Date: 03/02/17
Test Report #: 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 65.58% 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 @ 294 cfm)
S&B Intake w/ Cleanable Filter	65.58%
S&B Intake w/ Dry Filter	65.27%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	294 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13228C
Dust Feed Rate (grams/minute)	8.33

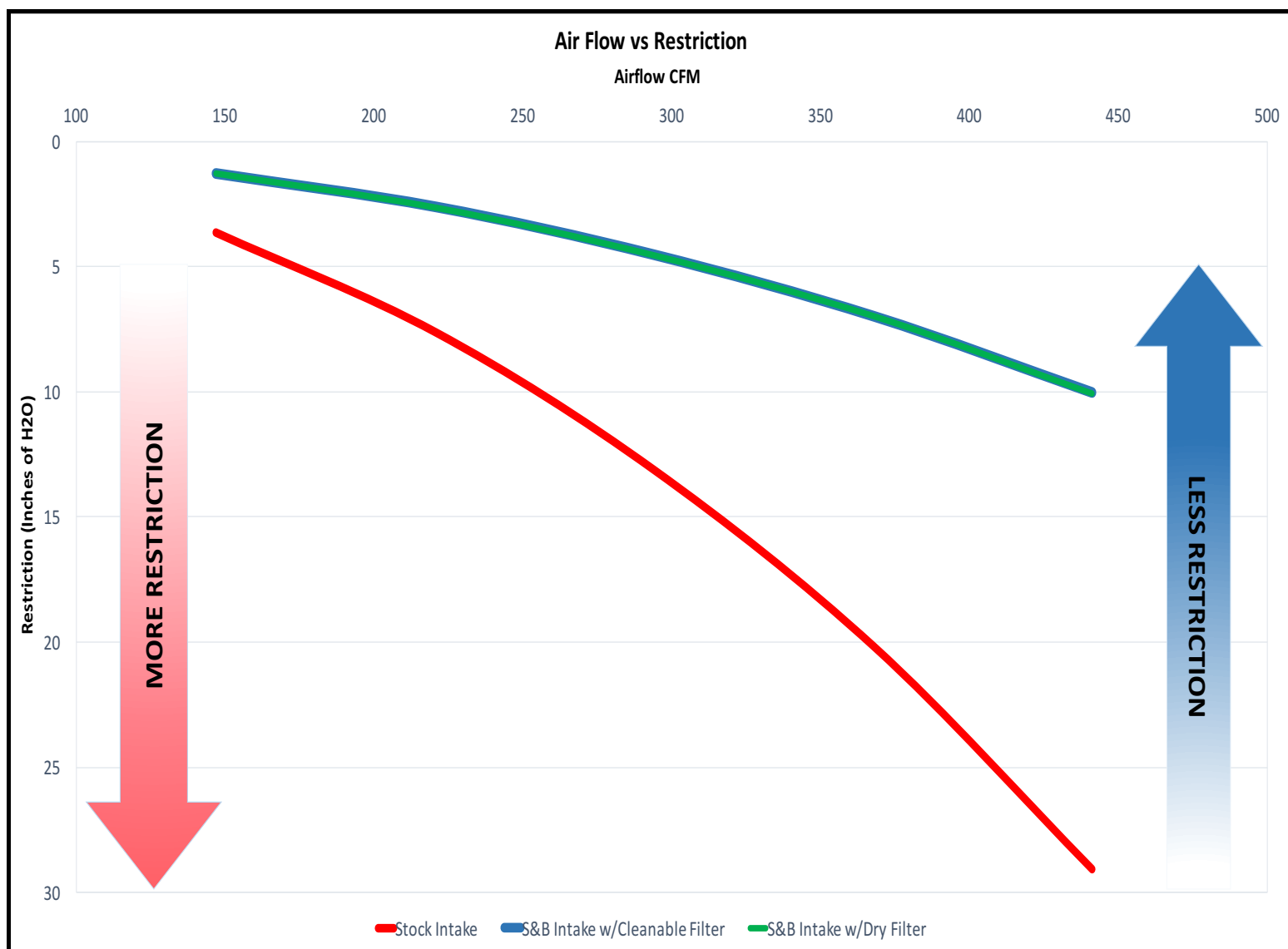
FACT: S&B Protects Your Engine

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 @ 294 cfm)
Stock	99.68%
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 #: 447
Sample #: 3
Filter #: 17801-0P010
Housing #:
Date Code:

Operator: SD
Report Date: 3/2/2017
Filter Mfg.:
Housing Mfg.:



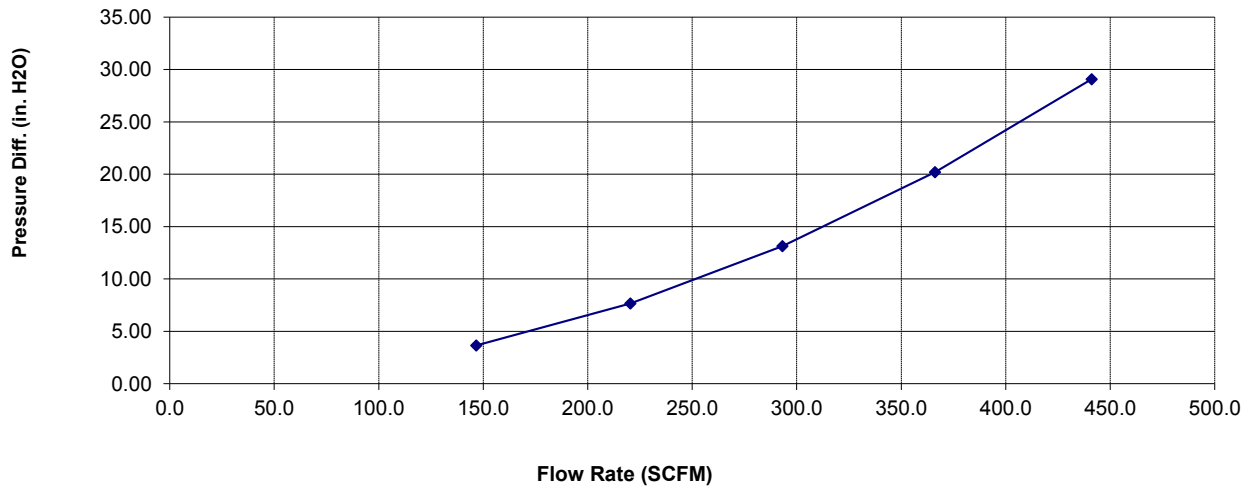
Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSORS, FILTER# 17801-0P010

Test Conditions

Barometric Pressure: 29.05517 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 49 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
147	3.65
220	7.65
293	13.13
366	20.21
441	29.08

Air Filter Restriction Test Report

Test #: 447
Sample #: 5
Filter #: KF-1053
Housing #: 75-5095/75-5100
Date Code:

Operator: SD
Report Date: 3/2/2017
Filter Mfg.:
Housing Mfg.:



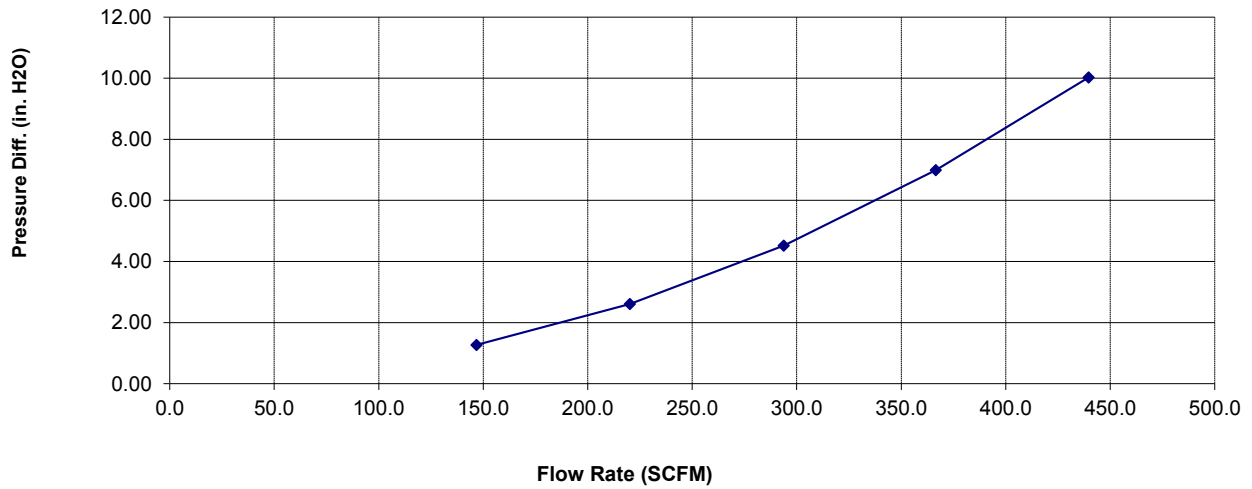
Test Description: 75-5095/75-5100 PRODUCTION KIT, NO SENSORS, NO CCV, FENDER SEAL INSTALLED, LID INSTALLED
KF-1053

Test Conditions

Barometric Pressure: 29.0449 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>
147	1.27
220	2.61
294	4.52
367	6.99
440	10.03

Air Filter Restriction Test Report

Test #: 447
Sample #: 7
Filter #: KF-1053D
Housing #: 75-5095/75-5100
Date Code:

Operator: SD
Report Date: 3/2/2017
Filter Mfg.:
Housing Mfg.:



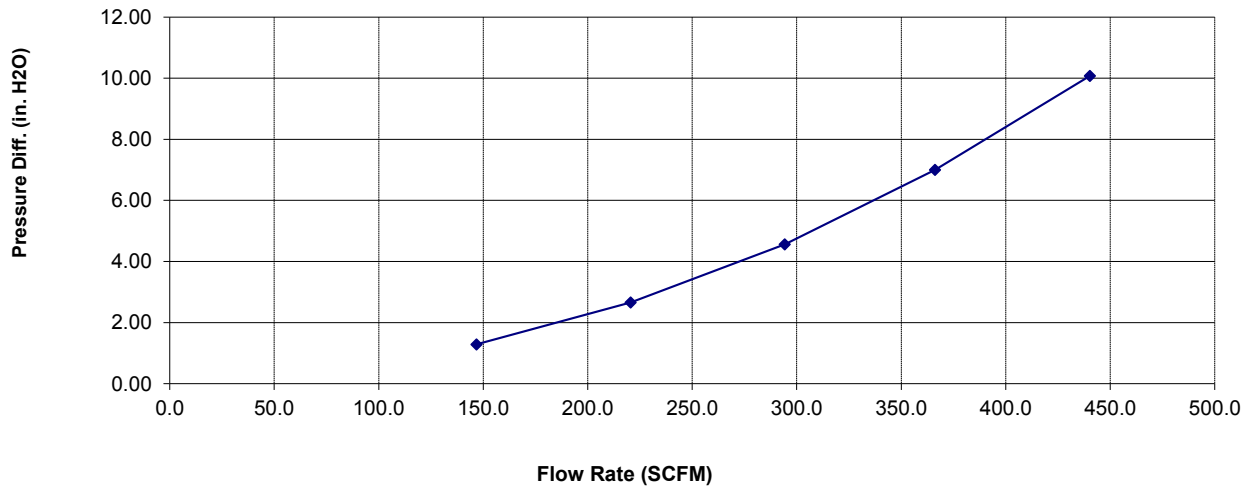
Test Description: 75-5095/75-5100 PRODUCTION KIT, NO SENSORS, NO CCV, FENDER SEAL INSTALLED, LID INSTALLED
KF-1053D

Test Conditions

Barometric Pressure: 29.04387 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>
147	1.29
221	2.66
294	4.56
366	7.00
440	10.08



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TACOMA
7.0





