



Automotive & Powersports

# THE FACTS ABOUT YOUR INTAKE & AIR FILTER

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

**Part Number: 75-5129**

**Test Date: 5/21/19**

**Description: Cold Air Intake**

**Test Report #: 748, 749, 751**

**Vehicle Applications: 2018+ Jeep Wrangler 2.0L Turbo**

## 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 50.2% 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 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.

Description	% S&B Flowed Better than Stock (tested @ 480 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	50.2
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	N/A
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	49.6
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	N/A

Test Conditions	
Barometric Pressure	28.76 in.Hg
Airflow Setpoint	480 CFM
Relative Humidity	46%
Temperature	68 F
Type of Dust	A4 Coarse
Batch #	13985C
Dust Feed Rate (grams/minute)	13.59

**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 @ 480 cfm)
Stock	99.85%
S&B Intake w/ Cleanable Filter	99.53%
S&B Intake w/ Dry Filter	99.46%

**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 #: 748  
Sample #:  
Filter #: KF-1057  
Housing #:  
Date Code:

KM  
5/21/2019



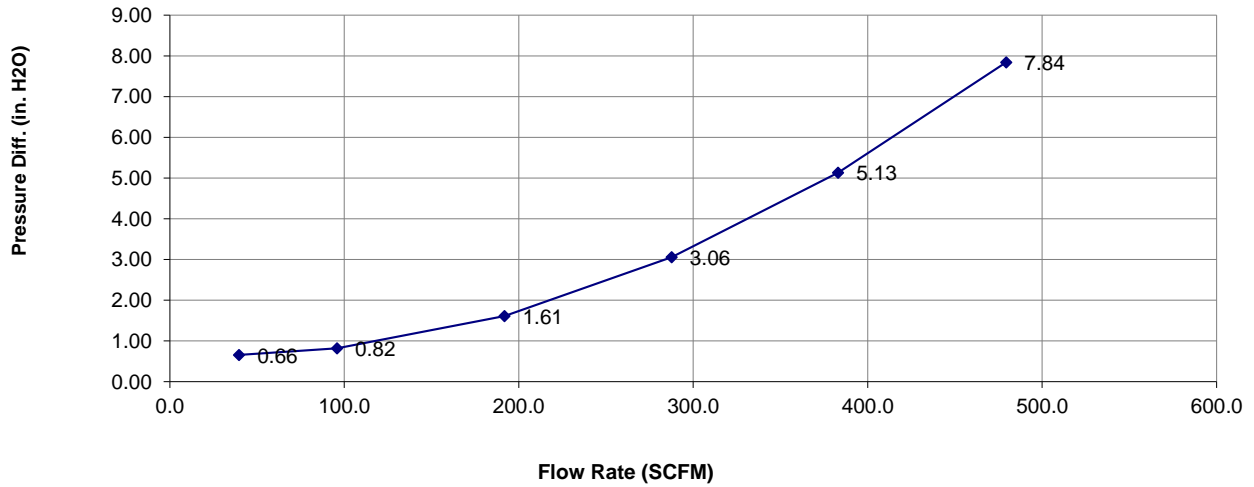
Test Description: 75-5129 PRODUCTION KIT, KF-1057 OILED, FENDER SEAL, NO SENSORS, 480 CFM

## Test Conditions

Barometric Pressure: 28.75953 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>
40	0.66
96	0.82
192	1.61
288	3.06
383	5.13
479	7.84

# Air Filter Restriction Test Report

Test #: 749  
Sample #:  
Filter #: KF-1057D  
Housing #:  
Date Code:

KM  
5/21/2019



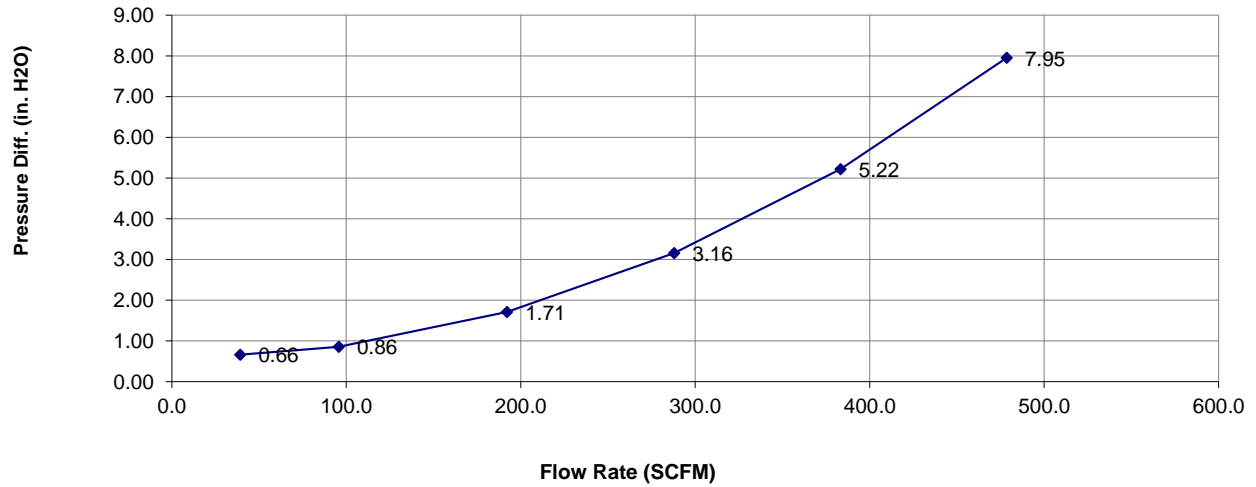
Test Description: 75-5129 PRODUCTION KIT, KF-1057D, FENDER SEAL, NO SENSORS, 480 CFM

## Test Conditions

Barometric Pressure: 28.74845 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>
39	0.66
96	0.86
192	1.71
288	3.16
383	5.22
478	7.95

# Air Filter Restriction Test Report

Test #: 751  
Sample #:  
Filter #: STOCK  
Housing #:  
Date Code:

KM  
5/21/2019



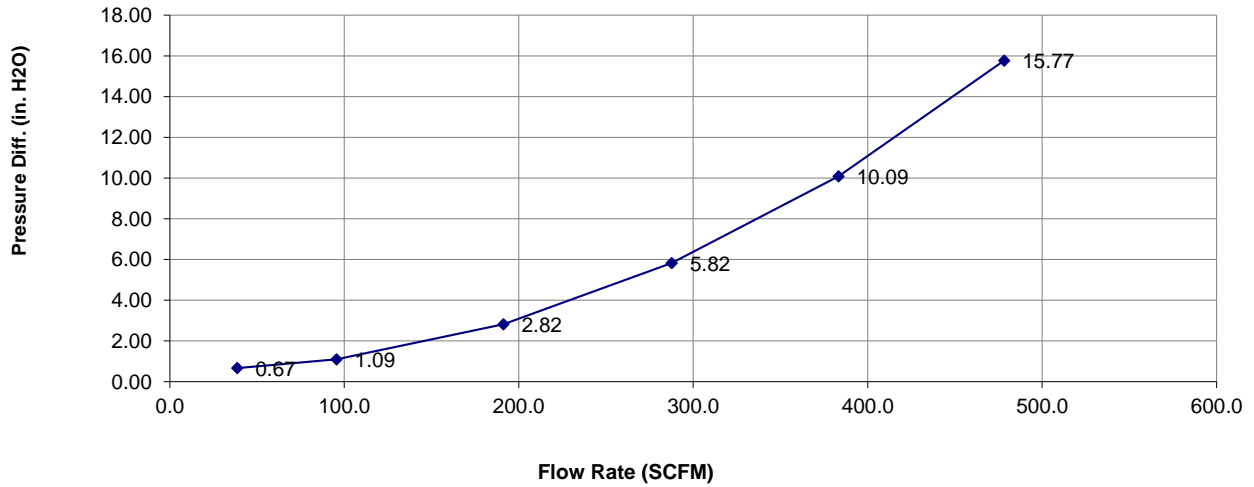
Test Description: 2018+ JEEP WRANGLER 2.0L TURBO STOCK INTAKE KIT, STOCK FILTER, NO SENSORS, 480 CFM

## Test Conditions

Barometric Pressure: 28.72803 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>
39	0.67
96	1.09
191	2.82
288	5.82
383	10.09
478	15.77

