

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

Part Number: 75-5108, 75-5108D

Description: Performance Intake Kit & Filter

Vehicle Applications: 2011-2016 Ford F250/F350 6.2L V8 Gas

Test Date: 11/06/2017

Test Report #: 1, 2, 3, 4, 5, 6

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 12.20% 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 @ 482 cfm)
S&B Intake w/ Cleanable Filter	12.20%
S&B Intake w/ Dry Filter	7.54%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	482 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13240C
Dust Feed Rate (grams/minute)	13.65

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
Description	(tested @ 482 cfm)
Stock	99.81%
S&B Intake w/ Cleanable Filter	99.47%
S&B Intake w/ Dry Filter	99.63%

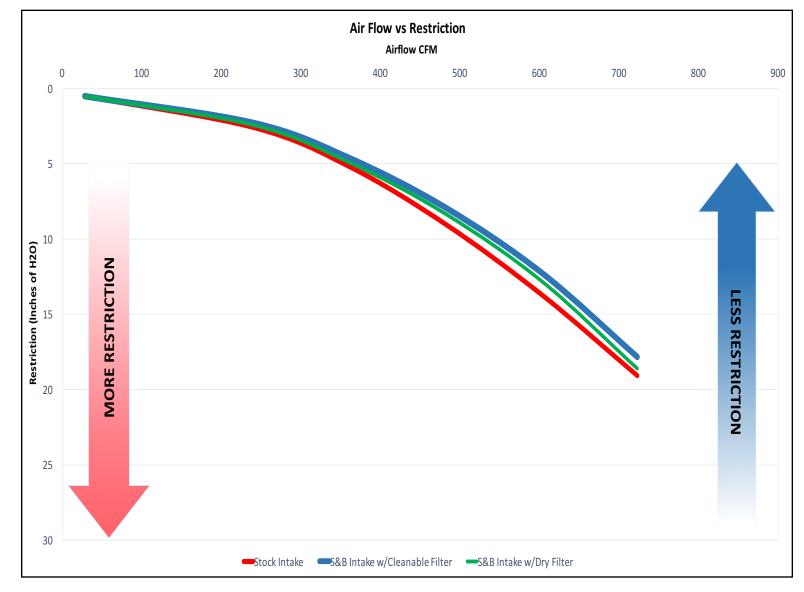
WATCH OUT: Some Competitors Use the Same Efficiency Rates for Multiple Part Numbers.

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

Housing #: Housing Mfg.:

Date Code:

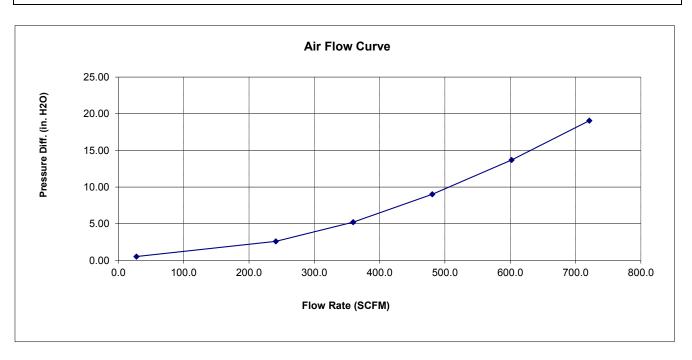


Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR, MOPAR# FA-1883

Test Conditions

Barometric Pressure: 28.95763 in. Hg
Air Flow Type: SCFM
Number of Pleats: Fleat Depth: 51 %
Pleat Depth: 51 %
Relative Humidity: 51 %
Temperature: 68 deg. F

Flow Direction:



Air Flow Curve Data

Flow Rate	<u>Differential Pressure</u>
28	0.52
241	2.60
360	5.22
481	9.02
602	13.70
721	19.06

Air Filter Restriction Test Report

Housing #: Housing Mfg.:

Date Code:



Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063

Test Conditions

Barometric Pressure: 28.94437 in. Hg

Air Flow Type: SCFM

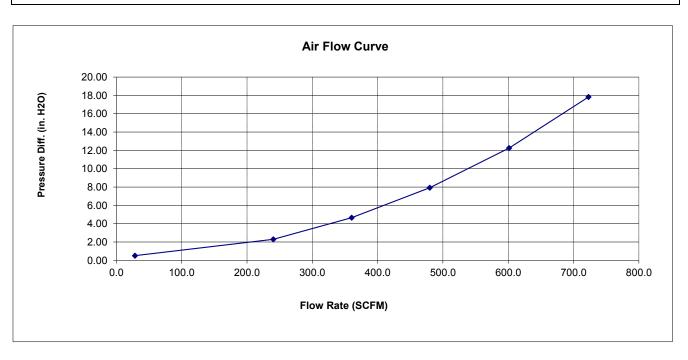
Number of Pleats: SCFM

Relative Humidity: 50 %

Temperature: 69 deg. F

Pleat Depth: in.

Flow Direction:



Air Flow Curve Data

Flow Rate	<u>Differential Pressure</u>
29	0.51
240	2.30
360	4.65
480	7.92
601	12.25
723	17.83

Air Filter Restriction Test Report

Housing #: Housing Mfg.:

Date Code:

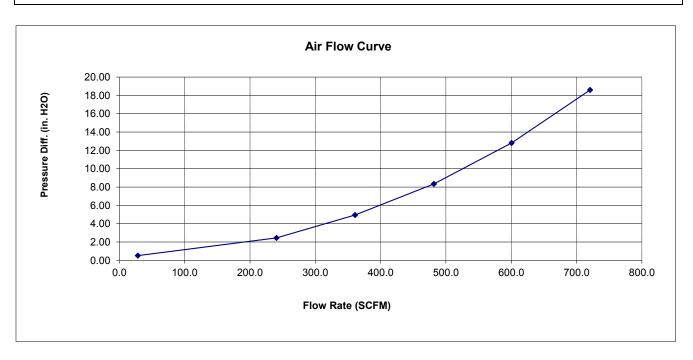


Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063D

Test Conditions

Barometric Pressure: 28.93375 in. Hg
Air Flow Type: SCFM
Number of Pleats: Pleat Depth: in.

Flow Direction:



Air Flow Curve Data

Flow Rate	<u>Differential Pressure</u>
28	0.52
241	2.45
361	4.95
482	8.34
601	12.81
721	18.60

Air Filter Full Life Efficiency Test Report

Operator: SD Test #: 473 Sample #: 2 Report Date: 11/6/2017 Filter Mfg.: Filter #: FA-1883

Housing #: Housing Mfg.: Date Code:



Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR, MOPAR# FA-1883

Test Conditions

Barometric Pressure: 28.956 in. Hg **Relative Humidity:** 51 % 482 SCFM Type of Dust: A4 COARSE Air Flow Setpoint: **Test Procedure:** Batch #: 13240C

Air Flow Type: 68 deg. F SCFM Temperature: **Test Endpoint:** 10 in. H2O **Initial Add Rate:** NaN g/min

Number of Pleats: Accumulative Add Rate: 13.65 g/min Flow Direction: Pleat Depth: in.

Test Results

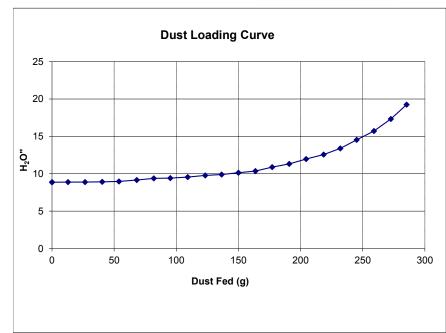
Initial Delta P 8.89 in. H2O **Accumulative Capacity:** 285.60 g **Test Time:** 20.95 min

> Initial Accumulative Blanket Blanket 6495.30 141.98

> Start 6780.90 End 142.53 285.60 0.55 Gain Efficiency 99.81%

> > Standard Restriction

Pressure Differential



Dust Loading Curve Data			
Dust Fed (g)	Pressure ("H2O)		
0	8.858		
12.951	8.874		
26.602	8.879		
40.45	8.915		
53.938	8.966		
68.19	9.162		
81.896	9.381		
95.143	9.41		
109.148	9.545		
123.341	9.778		
136.508	9.895		
149.954	10.137		
163.717	10.361		
177.189	10.886		
190.86	11.315		
204.402	11.961		
218.506	12.569		
231.937	13.383		
245.141	14.532		
259.062	15.711		
272.592	17.329		
285.313	19.243		
]			

Air Filter Full Life Efficiency Test Report

Test #: 473 Sample #: 4 Filter #: KF-1063 Housing #: 75-5108 Date Code: Operator: SD Report Date: 11/6/2017 Filter Mfg.: Housing Mfg.:



Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063

Test Conditions

Barometric Pressure: 28.907 in. Hg **Air Flow Setpoint:** 482 SCFM

Test Procedure:

Air Flow Type: SCFM
Test Endpoint: 10 in. H2O

Number of Pleats: Flow Direction: Relative Humidity: 49 %
Type of Dust: A4 COARSE
Batch #: 13240C

Temperature: 69 deg. F
Initial Add Rate: NaN g/min
Accumulative Add Rate: 13.65 g/min
Pleat Depth: in.

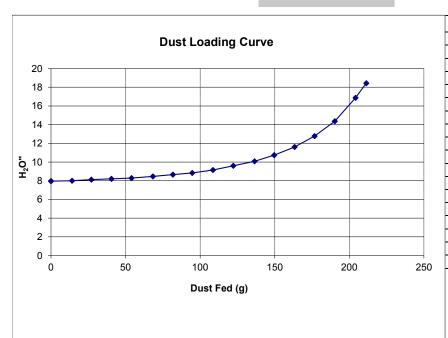
Test Results

Initial Delta P 8.02 in. H2O

Accumulative Capacity: 210.10 g
Test Time: 15.54 min

	Initial		Accumulative	9
		Blanket		Blanket
Start			6565.90	142.53
End			6776.00	143.64
Gain			210.10	1.11
Efficiency			99.47%	

Standard RestrictionPressure Differential



Dust Loading Curve Data			
Dust Fed (g)	Pressure ("H2O)		
0	7.956		
14.069	8.001		
27.027	8.116		
40.512	8.196		
53.964	8.276		
68.342	8.459		
81.732	8.655		
94.677	8.827		
108.553	9.14		
122.249	9.591		
136.513	10.078		
149.587	10.732		
163.323	11.605		
176.761	12.768		
190.276	14.363		
204.163	16.87		
211.353	18.432		
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Air Filter Full Life Efficiency Test Report

473 Test #: Sample #: 6 Filter #: KF-1063D

Housing #: 75-5108

Date Code:

Operator: SD Report Date: 11/6/2017 Filter Mfg.:

Housing Mfg.:



Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063D

Test Conditions

Barometric Pressure: 28.892 in. Hg **Relative Humidity:** 49 % Type of Dust: A4 COARSE 482 SCFM Air Flow Setpoint:

Test Procedure:

SCFM Air Flow Type: **Test Endpoint:** 10 in. H2O

Number of Pleats: Flow Direction:

Batch #: 13240C 68 deg. F Temperature:

Initial Add Rate: NaN g/min **Accumulative Add Rate:** 13.65 g/min

Pleat Depth: in.

Test Results

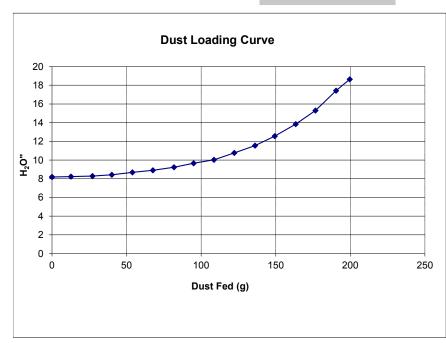
Initial Delta P 8.41 in. H2O **Accumulative Capacity:** 199.50 g

Test Time: 14.67 min

	Initial		Accumulative	;
		Blanket		Blanket
Start			6538.20	143.64
End			6737.70	144.38
Gain			199.50	0.74
Efficiency			99.63%	

Standard Restriction

Pressure Differential



Dust Loading Curve Data			
Dust Fed (g)	Pressure ("H2O)		
0	8.183		
12.699	8.223		
27.159	8.285		
40.145	8.421		
53.89	8.685		
67.668	8.899		
81.802	9.232		
94.937	9.65		
108.548	10.028		
122.271	10.763		
136.091	11.536		
149.318	12.552		
163.409	13.839		
176.646	15.296		
190.483	17.413		
199.66	18.643		
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