Automotive & Powersports

THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5076, 75-5076D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2011-2014 Ford F-150 5.0L

Test Date: 01/06/17
Test Report #: 1, 3, 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 24.77% 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 @ 388 cfm)
S&B Intake w/ Cleanable Filter	24.77%
S&B Intake w/ Dry Filter	22.25%

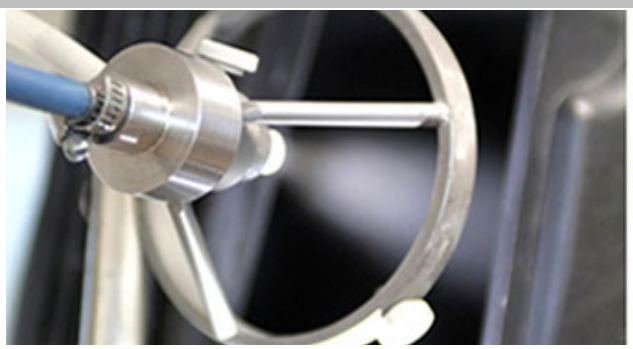
TEST CONDITIONS

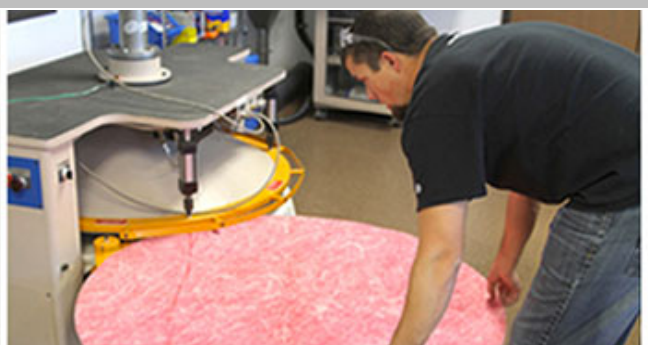
Barometric Pressure	28.98
Airflow Setpoint	388 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13099C
Dust Feed Rate (grams/minute)	10.99

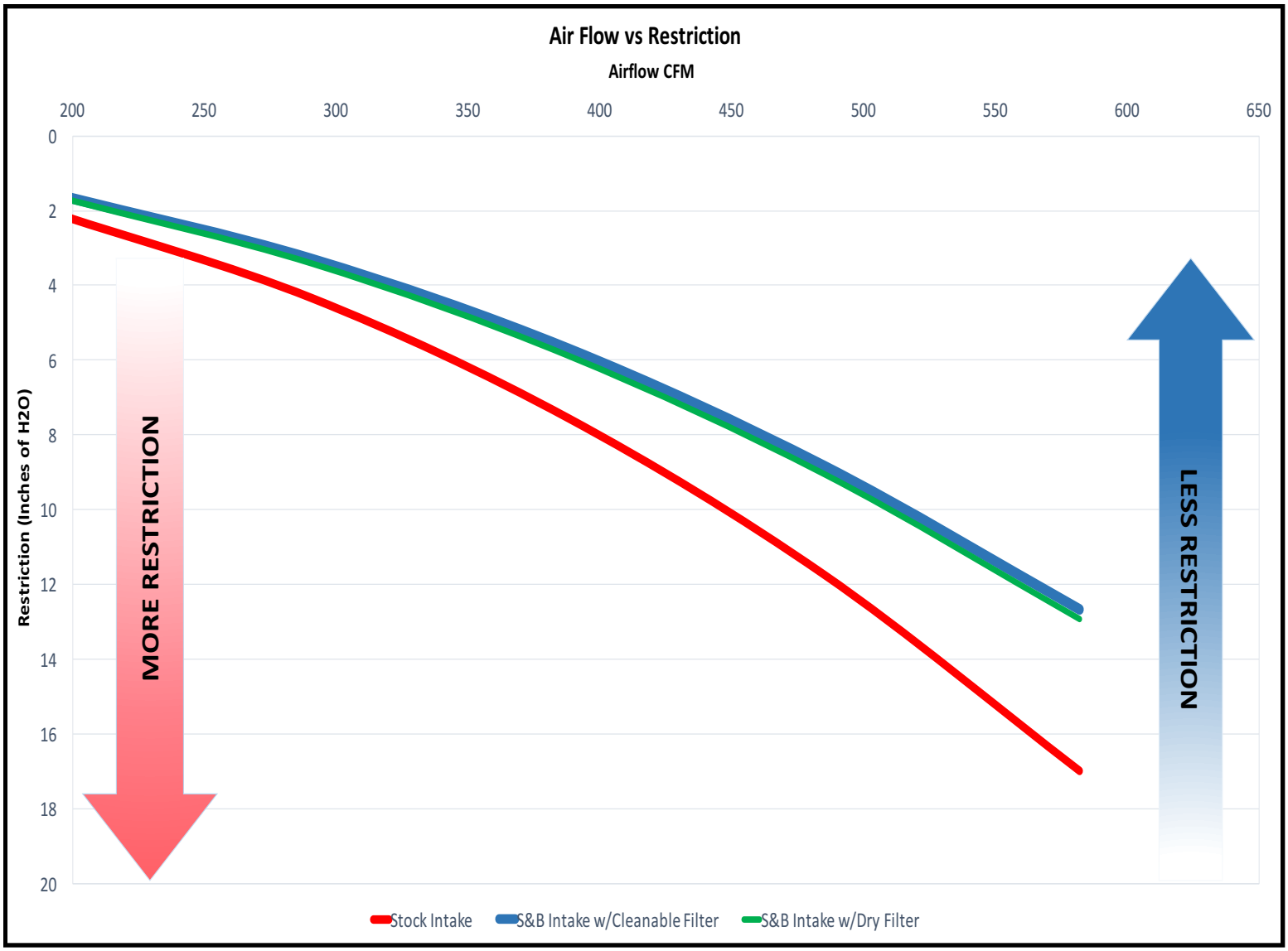
FACT: S&B Protects Your Engine
S&B tests at the highest rated CFM for your vehicle when determining the efficiency rate (amount of dust the filter stops), so that we can be sure that your engine will be protected.

Description	Efficiency Rate (tested @ 388 cfm)
Stock	99.69%
S&B Intake w/ Cleanable Filter	99.28%
S&B Intake w/ Dry Filter	99.73%

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

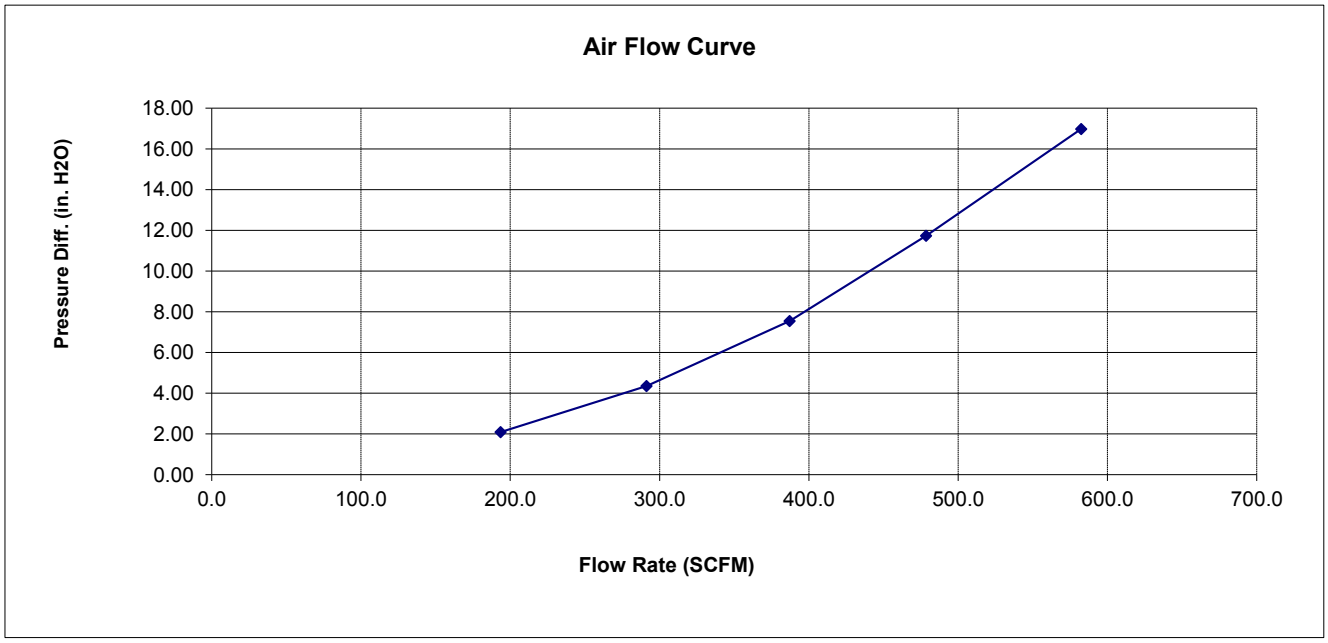
Test #: 403
Sample #: 1
Filter #: FA-1883
Housing #:
Date Code:

Operator: SD
Report Date: 1/6/2017
Filter Mfg.:
Housing Mfg.:

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

Test Conditions

Barometric Pressure:	28.9134 in. Hg	**Relative Humidity:**	51 %
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
194	2.09
291	4.35
387	7.55
479	11.73
582	16.98

Air Filter Restriction Test Report

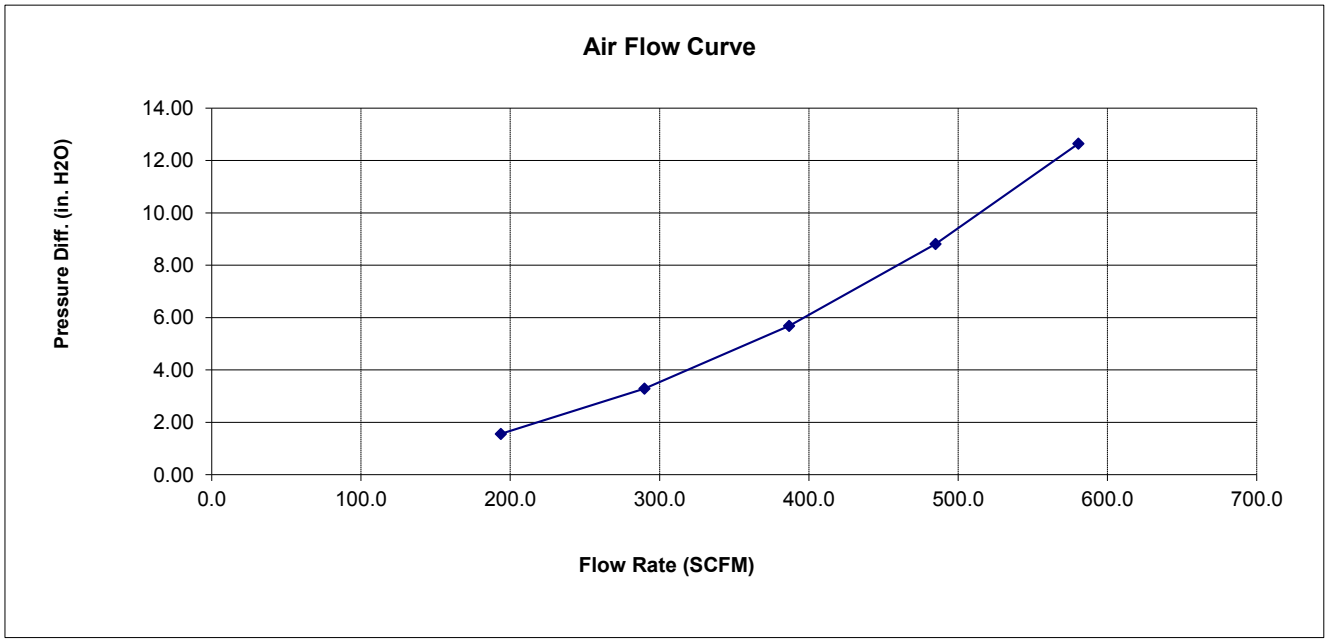
Test #: 403
Sample #: 5
Filter #: KF-1058
Housing #: 75-5076
Date Code:

Operator: SD
Report Date: 1/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5076 PRODUCTION KIT, NO SENSOR, NO CCV, S&B INLET, KF-1058

Test Conditions

Barometric Pressure:	29.01844 in. Hg	**Relative Humidity:**	47 %
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
194	1.56
290	3.29
387	5.68
485	8.81
581	12.65

Air Filter Restriction Test Report

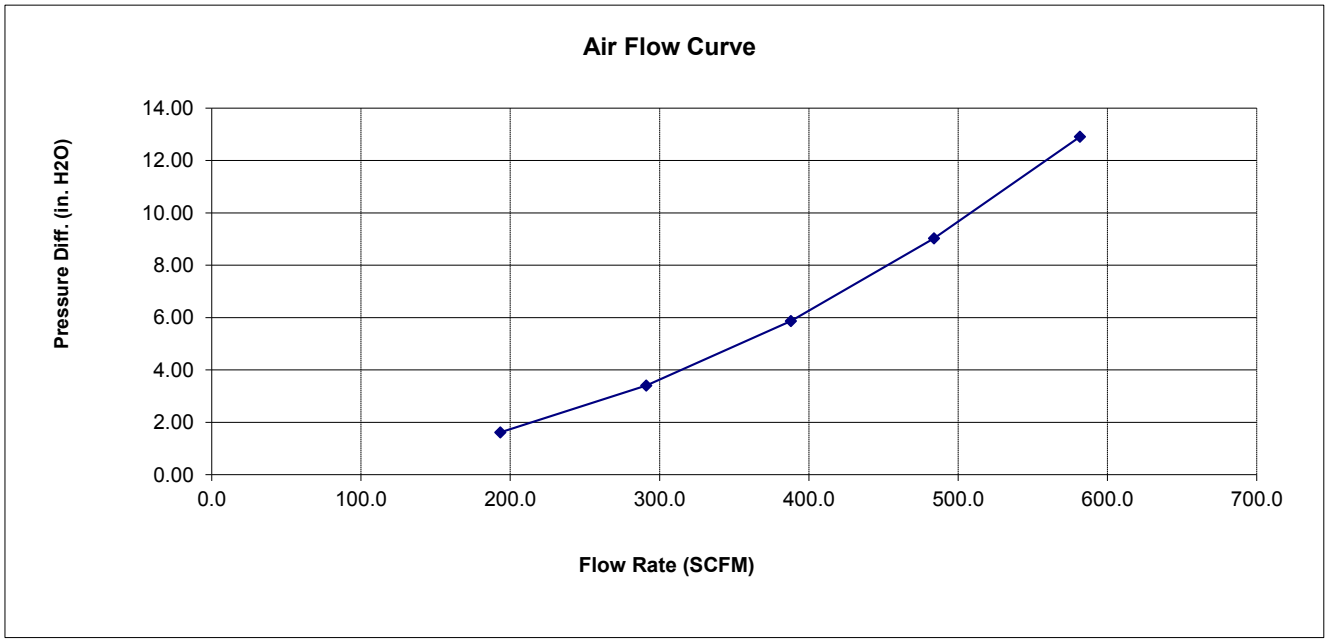
Test #: 403
Sample #: 6
Filter #: KF-1058D
Housing #: 75-5076
Date Code:

Operator: SD
Report Date: 1/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5076 PRODUCTION KIT, NO SENSOR, NO CCV, S&B INLET, KF-1058D

Test Conditions

Barometric Pressure:	29.01769 in. Hg	**Relative Humidity:**	48 %
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
193	1.62
291	3.41
388	5.87
484	9.03
582	12.91

Air Filter Full Life Efficiency Test Report

Test #: 403
Sample #: 3
Filter #: FA-1883
Housing #:
Date Code:

Operator: SD
Report Date: 1/6/2017
Filter Mfg.:
Housing Mfg.:

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

Test Conditions

Barometric Pressure:	28.917 in. Hg	**Relative Humidity:**	52 %
Air Flow Setpoint:	388 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13099C
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Test Endpoint:	10 in. H2O	**Initial Add Rate:**	NaN g/min
Number of Pleats:		**Accumulative Add Rate:**	10.99 g/min
Flow Direction:		**Pleat Depth:**	in.

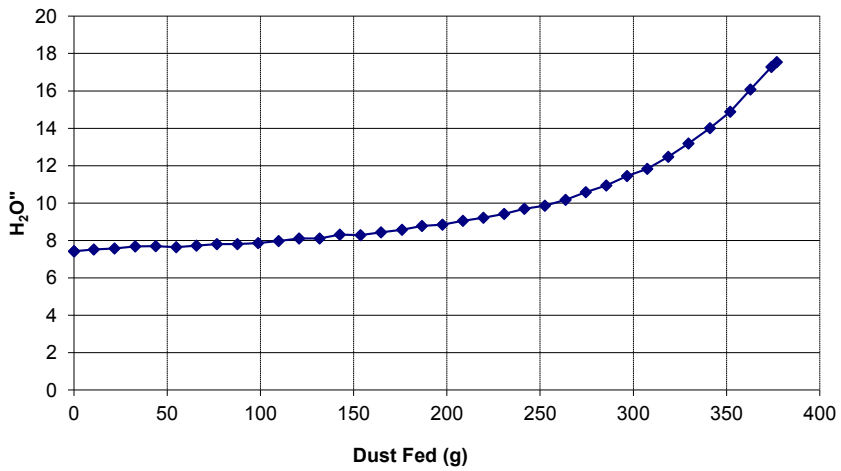
Test Results

Initial Delta P 7.41 in. H2O

Accumulative Capacity: 374.50 g
Test Time: 34.28 min

	Initial		Accumulative	
		Blanket		Blanket
Start			4276.80	145.45
End			4651.30	146.60
Gain			374.50	1.15
Efficiency			99.69%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	7.42
10.616	7.51
21.802	7.567
32.829	7.679
43.875	7.694
54.858	7.637
65.726	7.72
76.66	7.807
87.679	7.809
98.736	7.86
109.69	7.966
120.729	8.106
131.678	8.111
142.616	8.309
153.738	8.287
164.637	8.429
175.881	8.577
186.623	8.782
197.61	8.84
208.667	9.044
219.661	9.216
230.663	9.425
241.551	9.695
252.508	9.856

Air Filter Full Life Efficiency Test Report

Test #: 403
Sample #: 7
Filter #: KF-1058D
Housing #: 75-5076
Date Code:

Operator: SD
Report Date: 1/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5076 PRODUCTION KIT, NO SENSOR, NO CCV, S&B INLET, KF-1058D

Test Conditions

Barometric Pressure:	29.010 in. Hg	**Relative Humidity:**	48 %
Air Flow Setpoint:	388 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13099C
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Test Endpoint:	10 in. H2O	**Initial Add Rate:**	NaN g/min
Number of Pleats:		**Accumulative Add Rate:**	10.99 g/min
Flow Direction:		**Pleat Depth:**	in.

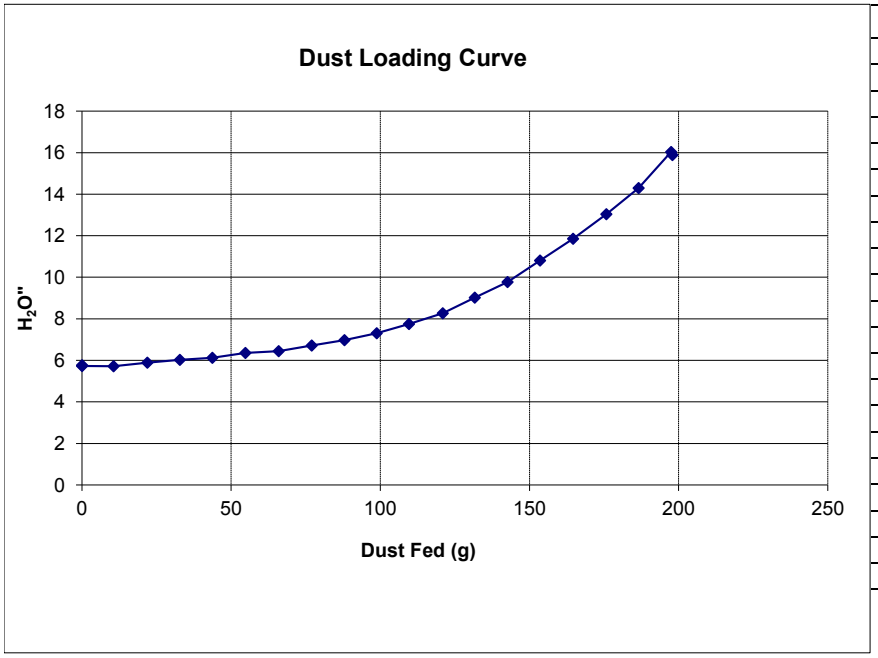
Test Results

Initial Delta P 5.71 in. H2O

Accumulative Capacity: 199.40 g
Test Time: 18.06 min

	Initial		Accumulative	
		Blanket		Blanket
Start			5586.60	136.40
End			5786.00	136.94
Gain			199.40	0.54
Efficiency			99.73%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	5.724
10.588	5.717
21.895	5.889
32.778	6.022
43.71	6.121
54.806	6.36
65.91	6.442
76.987	6.713
88.009	6.976
98.781	7.306
109.573	7.749
120.955	8.268
131.681	9.025
142.644	9.777
153.547	10.808
164.629	11.849
175.753	13.033
186.631	14.293
197.503	16.039
197.959	15.889

Air Filter Full Life Efficiency Test Report

Test #: 403
Sample #: 8
Filter #: KF-1058
Housing #: 75-5076
Date Code:

Operator: SD
Report Date: 1/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5076 PRODUCTION KIT, NO SENSOR, NO CCV, S&B INLET, KF-1058

Test Conditions

Barometric Pressure:	28.960 in. Hg	**Relative Humidity:**	49 %
Air Flow Setpoint:	388 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13099C
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Test Endpoint:	10 in. H2O	**Initial Add Rate:**	NaN g/min
Number of Pleats:		**Accumulative Add Rate:**	10.99 g/min
Flow Direction:		**Pleat Depth:**	in.

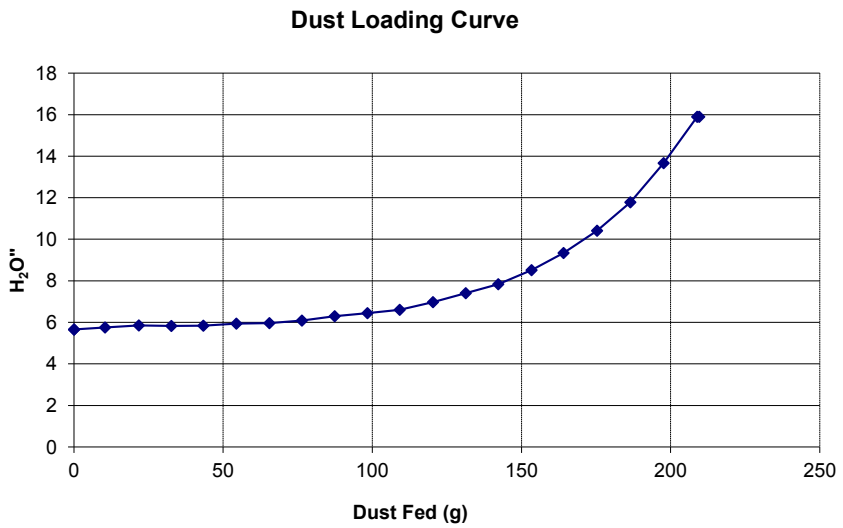
Test Results

Initial Delta P 5.54 in. H2O

Accumulative Capacity: 207.40 g
Test Time: 19.09 min

	Initial		Accumulative	
		Blanket		Blanket
Start			5615.50	136.94
End			5822.90	138.45
Gain			207.40	1.51
Efficiency			99.28%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	5.657
10.409	5.756
21.702	5.851
32.674	5.826
43.351	5.84
54.462	5.942
65.517	5.966
76.38	6.09
87.359	6.297
98.379	6.441
109.173	6.607
120.34	6.979
131.367	7.401
142.267	7.833
153.342	8.52
164.119	9.341
175.383	10.409
186.467	11.784
197.694	13.667
208.883	15.893
209.592	15.901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