Automotive & Powersports

THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5095, 75-5095D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2005 - 2011 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%

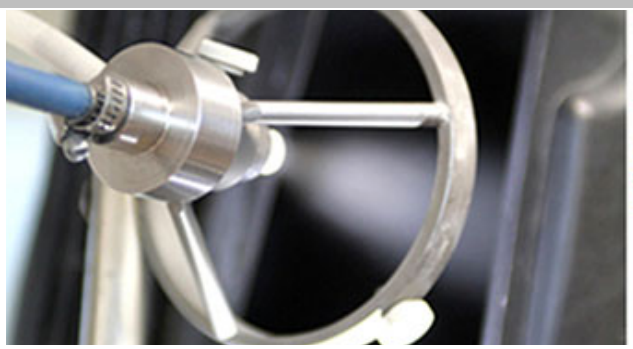
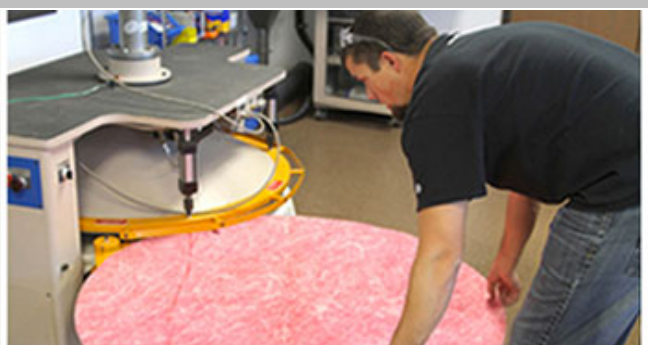
TEST CONDITIONS

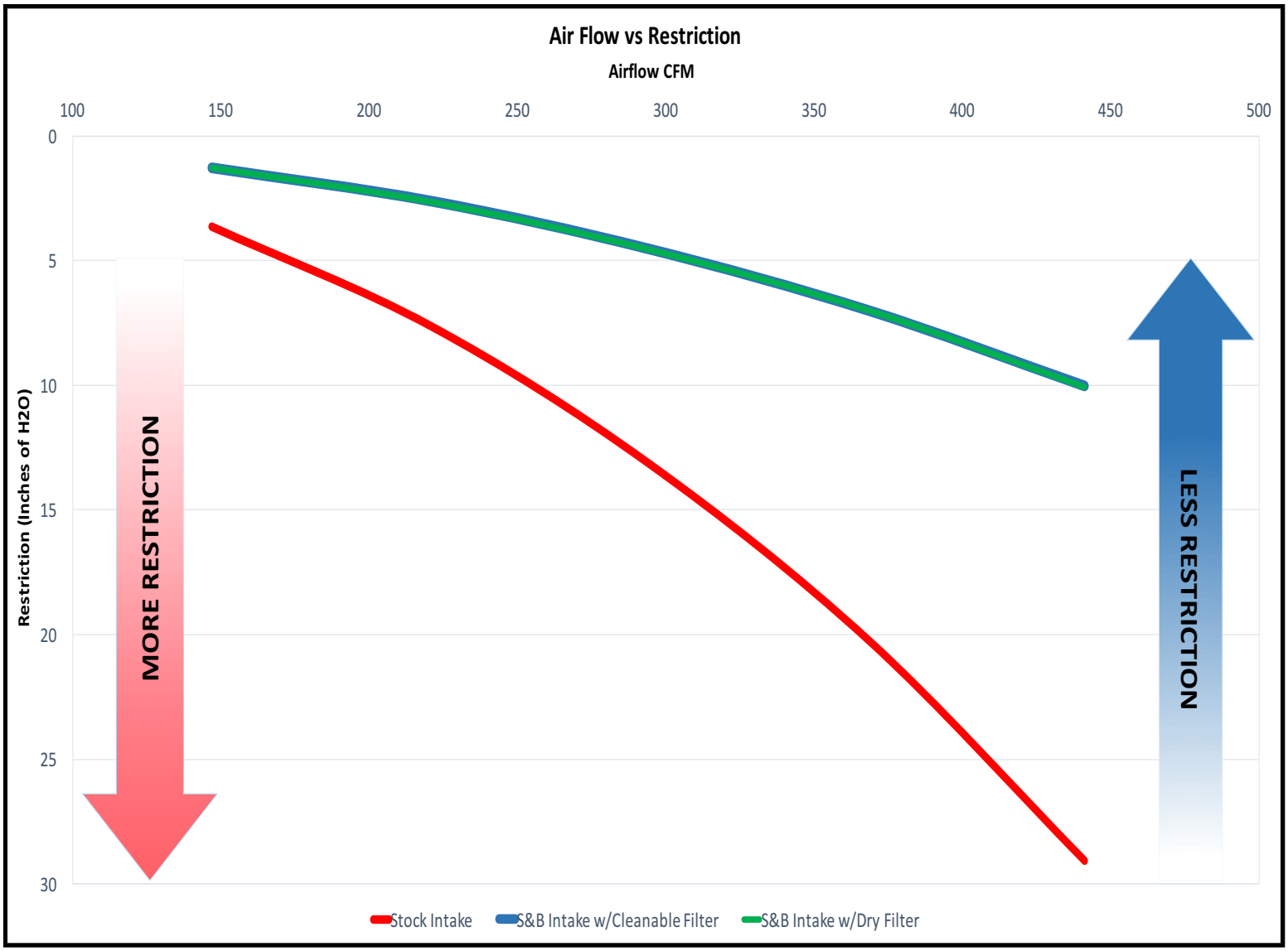
Barometric Pressure	28.98
Airflow Setpoint	294 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13228C
Dust Feed Rate (grams/minute)	8.33

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

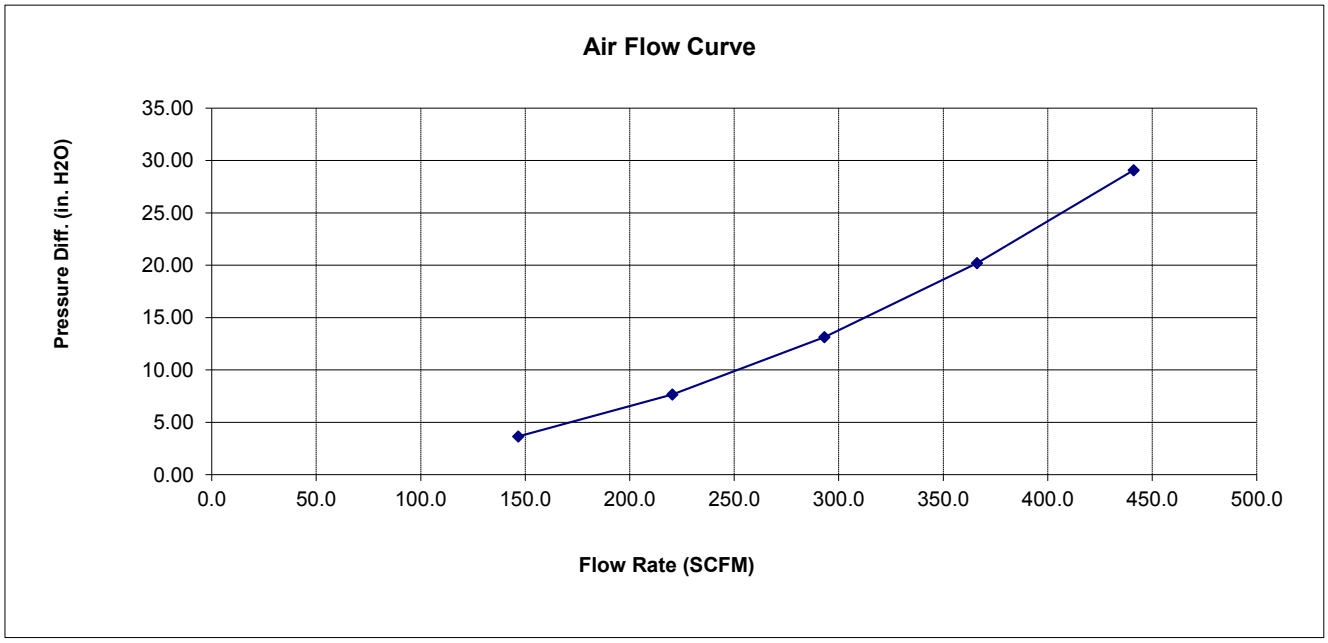
Test #: 447
Sample #: 3
Filter #: 17801-0P010
Housing #:
Date Code:

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	**Relative Humidity:**	49 %
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
147	3.65
220	7.65
293	13.13
366	20.21
441	29.08

Air Filter Restriction Test Report

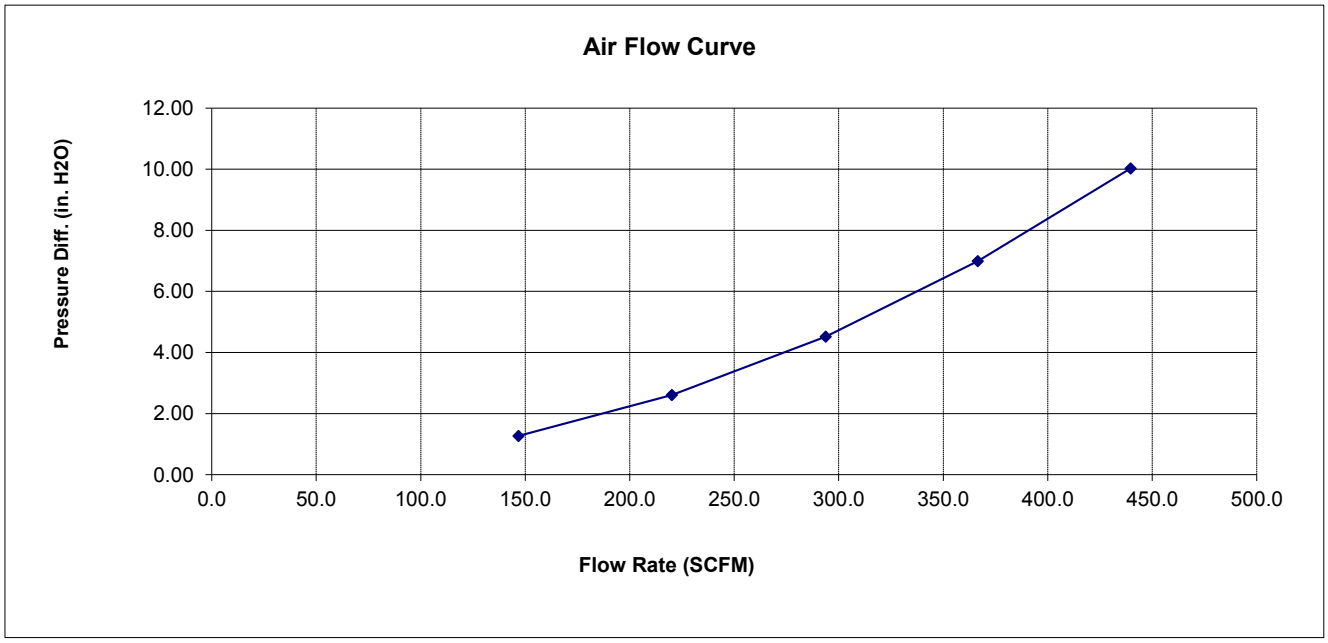
Test #: 447
Sample #: 5
Filter #: KF-1053
Housing #: 75-5095/75-5100
Date Code:

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	**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
147	1.27
220	2.61
294	4.52
367	6.99
440	10.03

Air Filter Restriction Test Report

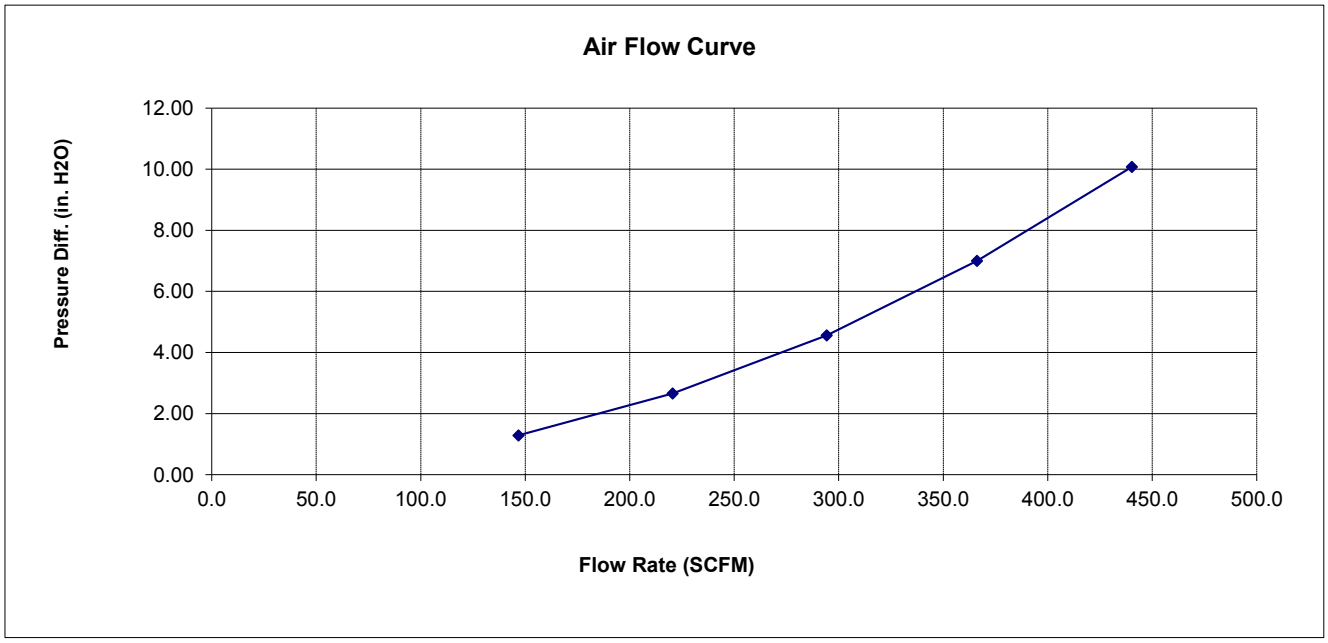
Test #: 447
Sample #: 7
Filter #: KF-1053D
Housing #: 75-5095/75-5100
Date Code:

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	**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
147	1.29
221	2.66
294	4.56
366	7.00
440	10.08

Air Filter Full Life Efficiency Test Report

Test #: 447
Sample #: 4
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:	29.048 in. Hg	**Relative Humidity:**	49 %
Air Flow Setpoint:	294 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13228C
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:**	8.33 g/min
Flow Direction:		**Pleat Depth:**	in.

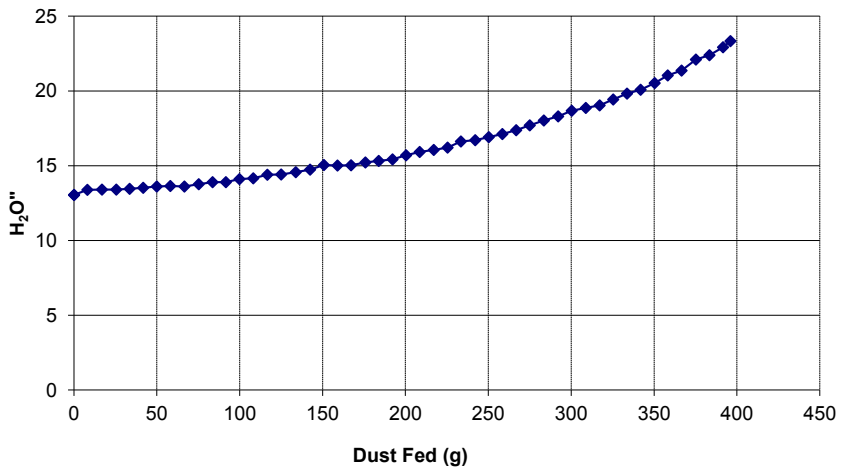
Test Results

Initial Delta P 13.21 in. H2O

Accumulative Capacity: 393.00 g
Test Time: 47.54 min

	Initial		Accumulative	
		Blanket		Blanket
Start			3982.70	171.36
End			4375.70	172.63
Gain			393.00	1.27
Efficiency			99.68%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	13.043
8.126	13.379
16.93	13.407
25.553	13.397
33.586	13.447
41.706	13.521
50	13.608
58.204	13.644
66.591	13.612
75.303	13.761
83.554	13.89
91.67	13.902
99.788	14.096
108.164	14.159
116.653	14.399
124.977	14.41
133.872	14.564
142.476	14.732
150.735	15.039
158.927	15.01
167.173	15.023
175.879	15.211
183.903	15.323
192.156	15.423

Air Filter Full Life Efficiency Test Report

Test #: 447
Sample #: 6
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:	29.056 in. Hg	**Relative Humidity:**	51 %
Air Flow Setpoint:	294 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13228C
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:**	8.33 g/min
Flow Direction:		**Pleat Depth:**	in.

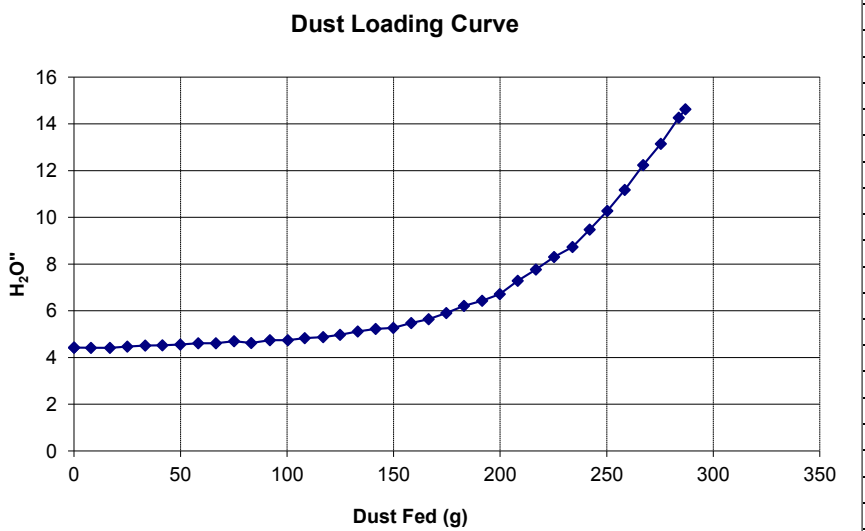
Test Results

Initial Delta P 4.37 in. H2O

Accumulative Capacity: 285.20 g
Test Time: 34.40 min

	Initial		Accumulative	
		Blanket		Blanket
Start			4220.90	173.50
End			4506.10	175.30
Gain			285.20	1.80
Efficiency			99.37%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	4.423
8.003	4.417
16.813	4.418
24.984	4.464
33.401	4.514
41.482	4.526
49.846	4.559
58.304	4.607
66.629	4.611
75.187	4.699
83.123	4.621
91.89	4.74
100.298	4.743
108.322	4.828
116.929	4.872
124.874	4.974
133.168	5.114
141.583	5.22
149.912	5.264
158.245	5.474
166.465	5.643
174.78	5.898
182.992	6.214
191.53	6.429

Air Filter Full Life Efficiency Test Report

Test #: 447
Sample #: 8
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, FILTER SEAL INSTALLED, LID INSTALLED KF-1053D

Test Conditions

Barometric Pressure:	29.064 in. Hg	**Relative Humidity:**	52 %
Air Flow Setpoint:	294 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13228C
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:**	8.33 g/min
Flow Direction:		**Pleat Depth:**	in.

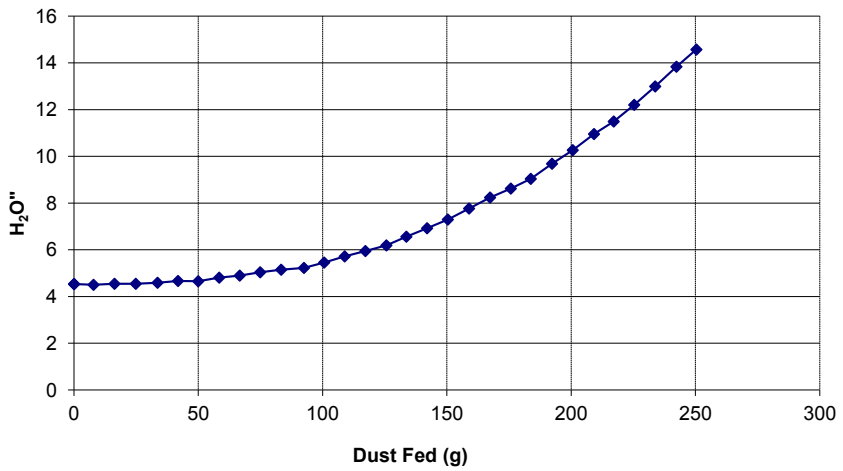
Test Results

Initial Delta P 4.55 in. H2O

Accumulative Capacity: 252.50 g
Test Time: 30.00 min

	Initial		Accumulative	
		Blanket		Blanket
Start			4245.60	172.63
End			4498.10	173.50
Gain			252.50	0.87
Efficiency			99.66%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	4.533
7.873	4.503
16.303	4.547
24.898	4.543
33.575	4.587
41.809	4.669
49.938	4.655
58.4	4.812
66.614	4.899
74.951	5.037
83.304	5.143
92.503	5.227
100.68	5.451
108.927	5.72
117.217	5.951
125.677	6.19
133.721	6.564
142.086	6.925
150.38	7.292
158.938	7.77
167.355	8.239
175.694	8.624
183.775	9.039
192.274	9.684

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